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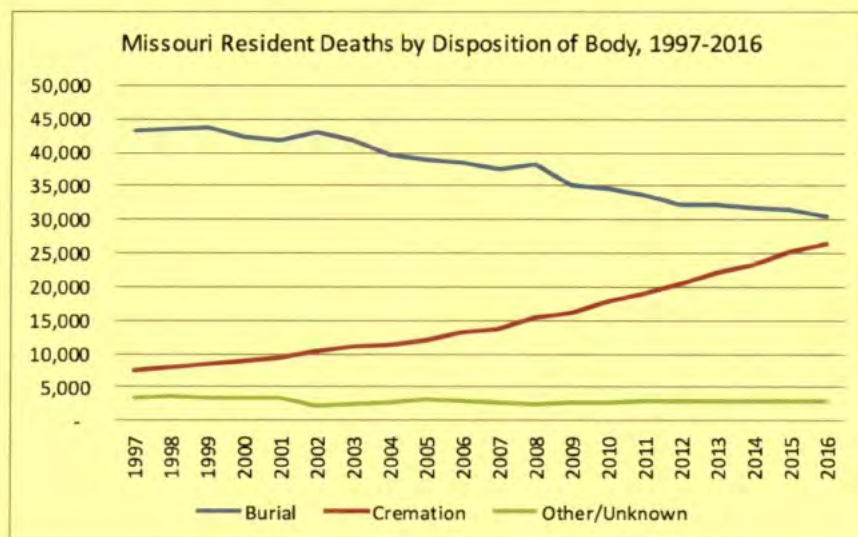


Missouri Vital Statistics 2016

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October 2017

PREFACE

Legislation passed by the Missouri General Assembly and approved on May 6, 1909, provided for the ‘immediate registration of all births and deaths’ by the State Board of Health. Improved sanitation and hygiene for the people of the state were anticipated as a result of centralizing these duties. With the passage of the legislation, Missouri became the 19th state to enact a comprehensive vital statistics law and acceptance into the death registration area of the U.S. Census Bureau soon followed. The 1909 law was implemented by February of 1910, and the first vital statistics report using a full year of Missouri birth and death records was for 1911.

Birth and death certificates are permanent legal records that contain valuable health and medical information. As legal documents, birth and death certificates provide proof of age, parentage, and citizenship. They are used to obtain passports and driver’s licenses, enroll in benefits programs, settle estates, obtain life insurance payouts, and terminate Social Security benefits. Health and medical information from birth and death records is transformed into data to calculate population growth, identify health risk factors, measure health outcomes, plan and evaluate health programs and conduct research. Vital statistics help drive public health programs that keep society healthy, and they influence our personal healthcare. Vital records and vital statistics impact our lives every day. For more than 100 years, Missouri vital records have captured a piece of the life story of every person who was born or died in Missouri.

This report presents the final tabulation of statistical data relating to vital events in Missouri during 2016. Records of live births received through February 24, 2017, death, fetal death and abortion records through April 15, 2017, and marriages and dissolutions received through May 15, 2017, are included in the tables allowing information on 2016 events to be as complete as possible.

Missouri Vital Statistics 2016 is published for use in public health and related fields as an aid for studying births, deaths, fetal deaths, marriages, dissolutions, and abortions. This document, along with additional vital statistics data, is available on the Department of Health and Senior Services website at health.mo.gov under Data and Statistics.

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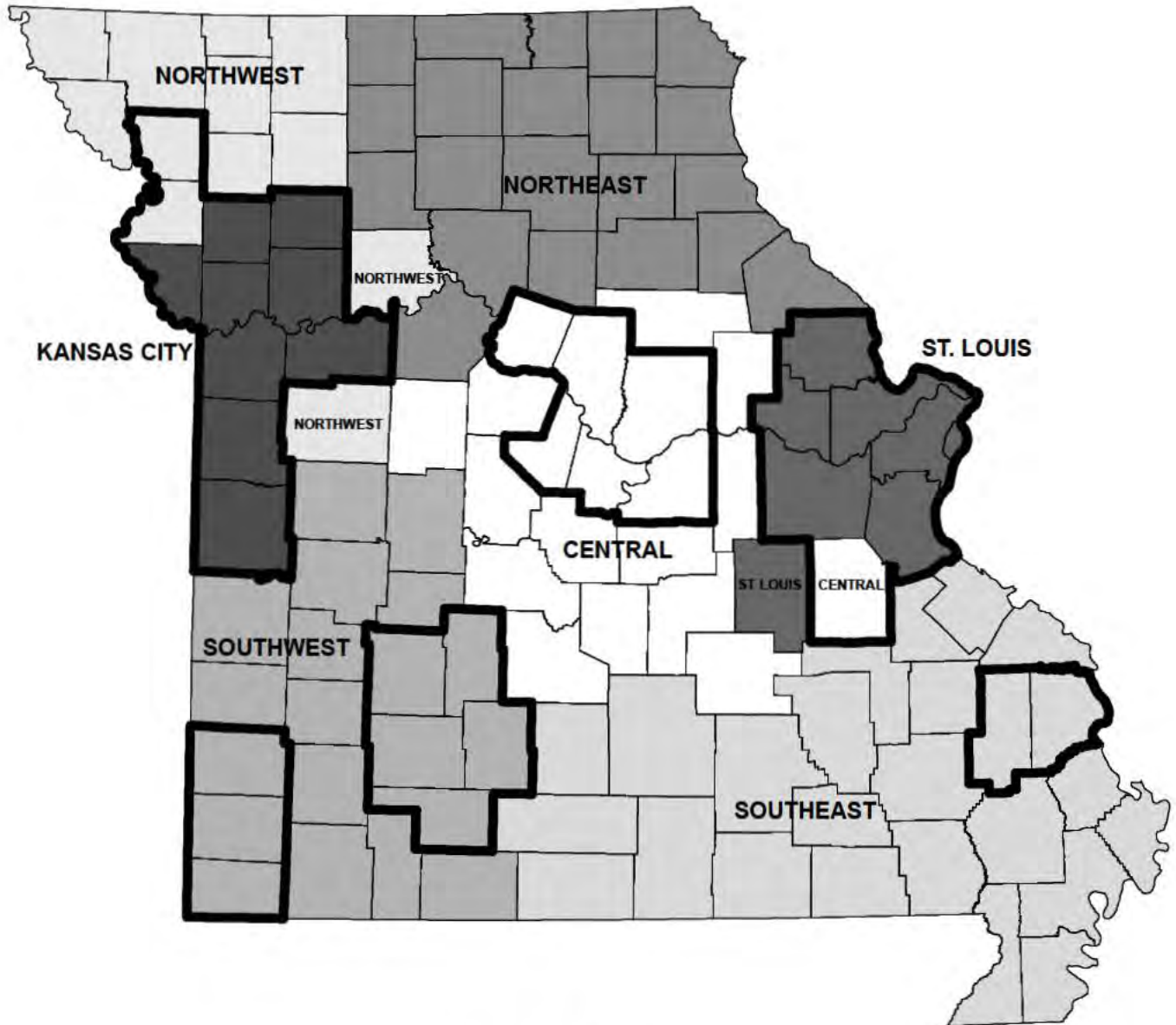
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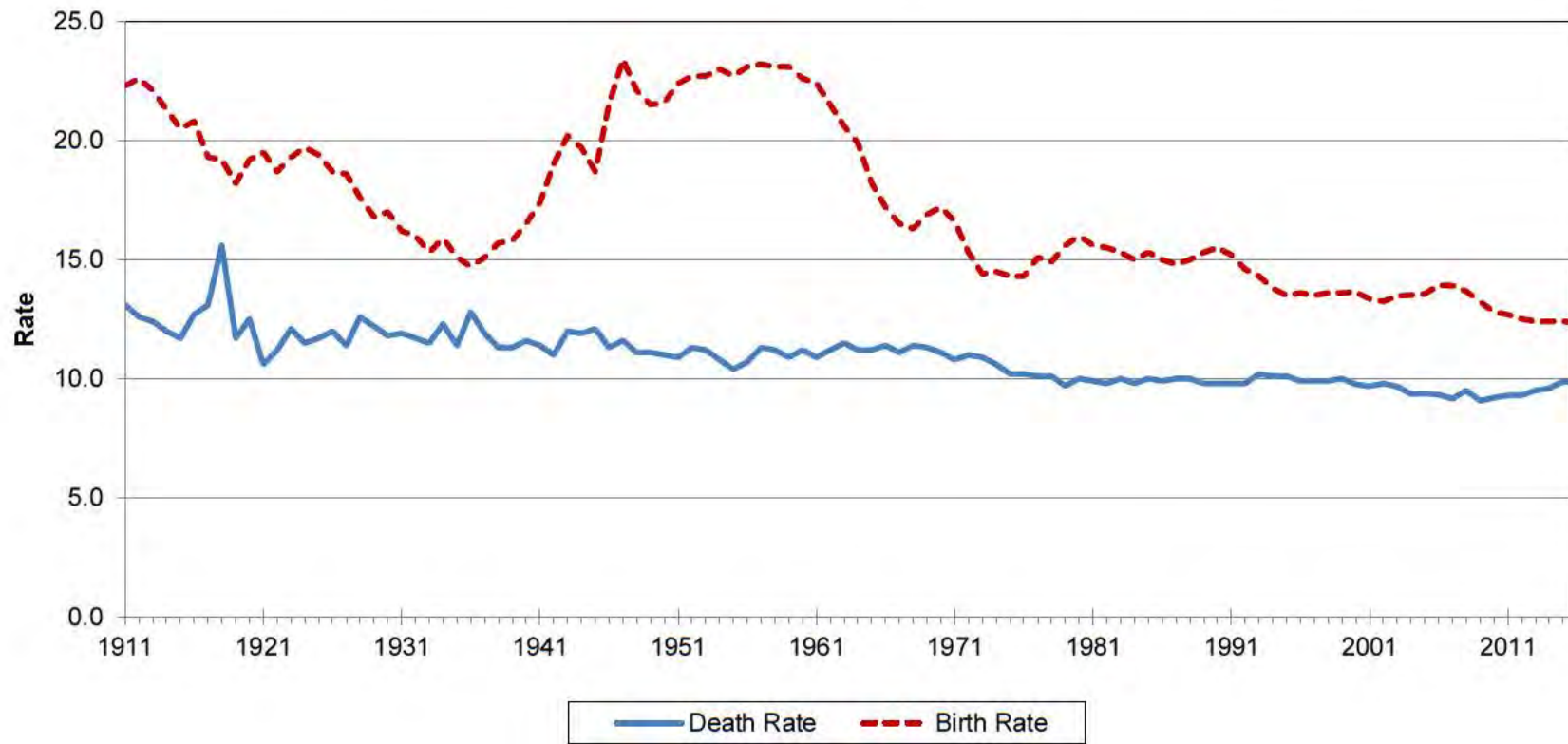
Behavioral Risk Factor Surveillance System (BRFSS) Regions



LEGEND



Graph A. Live Birth and Death Rates per 1,000 Population: Missouri, 1911-2016*



Rate			Rate			Rate			Rate		
Year	Birth	Death	Year	Birth	Death	Year	Birth	Death	Year	Birth	Death
1911	22.3	13.1	1945	18.7	12.1	1980	16.0	10.0	2011	12.7	9.2
1915	20.5	11.7	1950	21.6	11.0	1985	15.3	10.0	2012	12.5	9.3
1920	19.2	12.5	1955	22.7	10.4	1990	15.5	9.8	2013	12.4	9.5
1925	19.4	11.7	1960	22.6	11.2	1995	13.5	10.1	2014	12.5	9.6
1930	17.0	11.8	1965	18.2	11.2	2000	13.6	9.8	2015	12.4	9.8
1935	15.1	11.4	1970	17.2	11.1	2005	13.6	9.4	2016	12.3	9.8
1940	16.5	11.6	1975	14.3	10.2	2010	12.8	9.2			

*1911-1944 recorded events 1945-2016 resident events

Table 1. Population, Recorded Births and Deaths with Rates per 1,000 Population and Natural Increase: Missouri, 1911-1944

Year	Estimated Mid-Year Population	Births		Deaths		
		Number	Rate	Number	Rate	
1911	3,317	74,130	22.3	43,479	13.1	30,651
1912	3,344	75,452	22.6	42,139	12.6	33,313
1913	3,409	75,231	22.1	42,130	12.4	33,101
1914	3,467	73,925	21.3	41,743	12.0	32,182
1915	3,492	71,543	20.5	40,863	11.7	30,680
1916	3,527	73,486	20.8	44,705	12.7	28,781
1917	3,470	67,041	19.3	45,564	13.1	21,477
1918	3,325	64,001	19.2	51,925	15.6	12,076
1919	3,371	61,193	18.2	39,282	11.7	21,911
1920	3,404	65,416	19.2	42,572	12.5	22,844
1921	3,429	66,970	19.5	36,210	10.6	30,760
1922	3,427	64,388	18.7	38,417	11.2	25,971
1923	3,454	66,691	19.3	41,853	12.1	24,838
1924	3,508	68,961	19.7	40,463	11.5	28,498
1925	3,526	68,293	19.4	41,332	11.7	26,961
1926	3,556	66,611	18.7	42,684	12.0	23,927
1927	3,576	66,401	18.6	40,853	11.4	25,548
1928	3,601	63,401	17.6	45,219	12.6	18,182
1929	3,622	60,980	16.8	44,262	12.2	16,718
1930	3,646	62,011	17.0	42,924	11.8	19,087
1931	3,711	60,201	16.2	43,999	11.9	16,202
1932	3,746	59,755	16.0	43,695	11.7	16,060
1933	3,773	57,717	15.3	43,368	11.5	14,349
1934	3,784	60,317	15.9	46,685	12.3	13,632
1935	3,798	57,299	15.1	43,201	11.4	14,098
1936	3,801	55,916	14.7	48,767	12.8	7,149
1937	3,794	57,270	15.1	45,160	11.9	12,110
1938	3,781	59,365	15.7	42,578	11.3	16,787
1939	3,783	59,688	15.8	42,693	11.3	16,995
1940	3,786	62,545	16.5	43,950	11.6	18,595
1941	3,811	66,268	17.4	43,295	11.4	22,973
1942	3,829	72,575	19.0	42,117	11.0	30,458
1943	3,705	74,820	20.2	44,437	12.0	30,383
1944	3,560	69,982	19.7	42,347	11.9	27,635

Sources: 1911-1934 and 1937-1944 Vital Statistics Reports of the Missouri State Board of Health, 1935-1936, Special Reports of the United States Bureau of the Census. Population estimates 1911 to 1944 taken from the United States Bureau of the Census Release, Series P-25, No. 139, June 27, 1956.

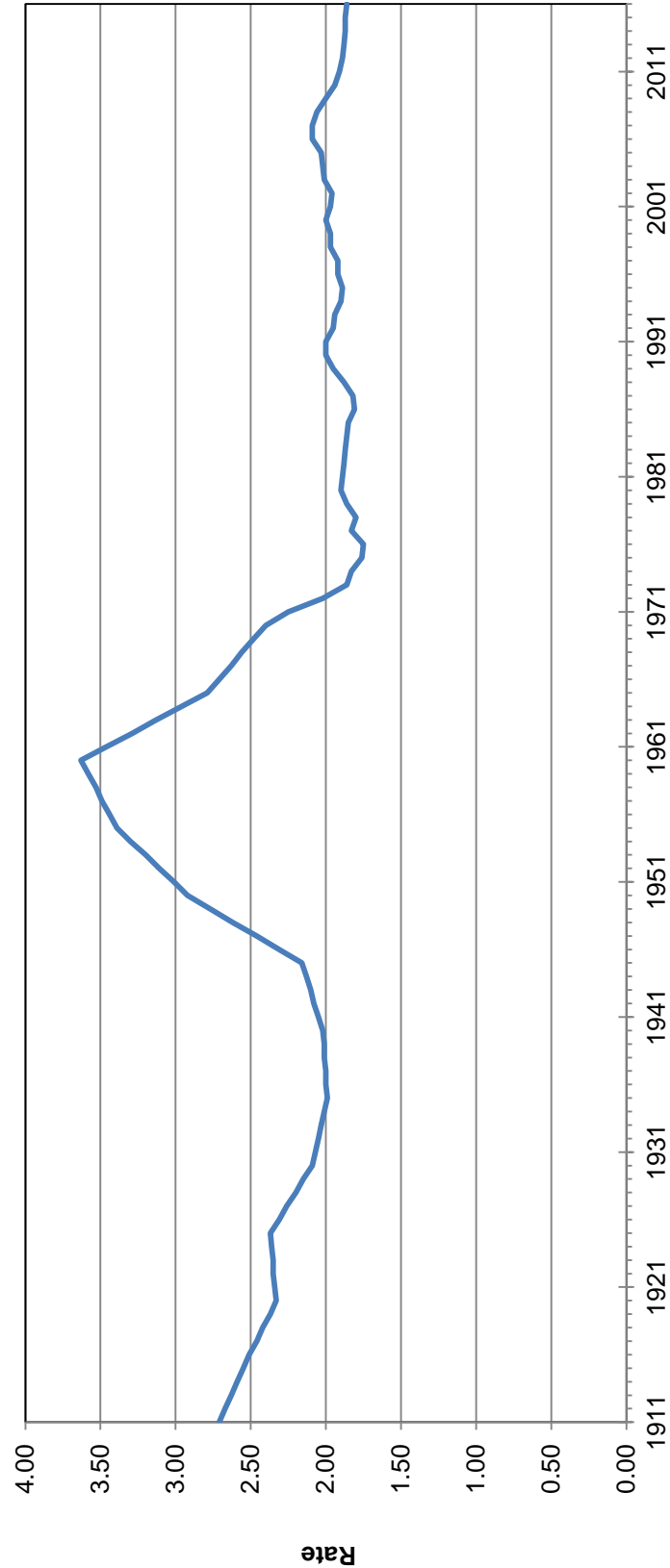
Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2016

Year	Estimated Mid-Year Population (Thousands)	Recorded				Resident				Natural Increase
		Births		Deaths		Births		Deaths		
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	
1945	3,516	67,693	19.3	42,757	12.2	65,691	18.7	42,496	12.1	23,195
1946	3,746	82,901	22.1	42,640	11.4	80,698	21.5	42,377	11.3	38,321
1947	3,845	92,369	24.0	44,762	11.6	89,902	23.4	44,474	11.6	45,428
1948	3,844	87,005	22.6	42,921	11.2	85,096	22.1	42,753	11.1	42,342
1949	3,955	87,372	22.1	43,995	11.1	85,206	21.5	43,708	11.1	41,498
1950	3,964	87,948	22.2	43,962	11.1	85,704	21.6	43,714	11.0	41,990
1951	4,015	92,664	23.1	44,318	11.0	89,977	22.4	44,051	10.9	45,926
1952	3,972	92,931	23.4	45,245	11.4	90,118	22.7	45,051	11.3	45,067
1953	4,020	94,419	23.5	45,686	11.4	91,447	22.7	45,148	11.2	46,299
1954	4,066	97,278	23.9	44,404	10.9	93,453	23.0	43,835	10.8	49,618
1955	4,134	97,591	23.6	43,531	10.5	93,797	22.7	43,000	10.4	50,797
1956	4,163	100,163	24.1	45,003	10.8	96,099	23.1	44,458	10.7	51,641
1957	4,189	101,287	24.2	47,784	11.4	97,161	23.2	47,333	11.3	49,828
1958	4,186	100,729	24.1	47,338	11.3	96,721	23.1	46,729	11.2	49,992
1959	4,258	102,461	24.1	47,099	11.1	98,537	23.1	46,465	10.9	52,072
1960	4,326	101,778	23.5	48,955	11.3	97,723	22.6	48,287	11.2	49,436
1961	4,349	101,462	23.3	47,933	11.0	97,321	22.4	47,303	10.9	50,018
1962	4,357	97,658	22.4	49,685	11.4	93,879	21.5	49,016	11.2	44,863
1963	4,392	93,545	21.3	51,159	11.6	90,363	20.6	50,538	11.5	39,825
1964	4,442	90,918	20.5	50,271	11.3	88,335	19.9	49,617	11.2	38,718
1965	4,467	84,162	18.8	51,101	11.4	81,216	18.2	50,249	11.2	30,967
1966	4,523	80,750	17.9	52,476	11.6	77,946	17.2	51,581	11.4	26,365
1967	4,539	77,940	17.2	51,245	11.3	74,823	16.5	50,544	11.1	24,279
1968	4,568	77,028	16.9	52,834	11.6	74,304	16.3	52,019	11.4	22,285
1969	4,640	81,313	17.5	53,172	11.5	78,396	16.9	52,314	11.3	26,082
1970	4,680	83,787	17.9	52,592	11.2	80,707	17.2	51,743	11.1	28,964
1971	4,723	81,409	17.2	51,810	11.0	78,375	16.6	50,811	10.8	27,564
1972	4,753	75,127	15.8	53,249	11.2	72,597	15.3	52,287	11.0	20,310
1973	4,775	70,808	14.8	53,003	11.1	68,605	14.4	51,812	10.9	16,793
1974	4,785	71,875	15.0	51,656	10.8	69,412	14.5	50,504	10.6	18,908
1975	4,795	70,786	14.8	49,986	10.4	68,442	14.3	48,984	10.2	19,458
1976	4,824	71,319	14.8	50,074	10.4	68,781	14.3	49,008	10.2	19,773
1977	4,845	75,689	15.6	49,839	10.3	72,957	15.1	48,761	10.1	24,196
1978	4,871	75,283	15.5	50,439	10.4	72,654	14.9	49,207	10.1	23,447
1979	4,889	78,562	16.1	48,946	10.0	76,056	15.6	47,656	9.7	28,400
1980	4,917	80,770	16.4	50,504	10.3	78,588	16.0	49,334	10.0	29,254
1981	4,932	78,538	15.9	49,780	10.1	76,758	15.6	48,645	9.9	28,113
1982	4,930	78,334	15.9	49,145	10.0	76,648	15.5	48,126	9.8	28,522
1983	4,944	77,061	15.6	50,540	10.2	75,505	15.3	49,381	10.0	26,124

Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2016

Year	Estimated Mid-Year Population (Thousands)	Recorded				Resident				Natural Increase
		Births		Deaths		Births		Deaths		
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	
1984	4,976	76,293	15.3	50,232	10.1	74,422	15.0	48,890	9.8	25,532
1985	5,002	78,760	15.7	51,635	10.3	76,697	15.3	50,098	10.0	26,599
1986	5,024	77,105	15.3	51,350	10.2	75,116	15.0	49,971	9.9	25,145
1987	5,057	76,909	15.2	52,016	10.3	74,830	14.8	50,362	10.0	24,468
1988	5,083	78,331	15.4	52,265	10.3	76,101	15.0	50,619	10.0	25,482
1989	5,096	79,866	15.7	51,679	10.1	77,755	15.3	50,169	9.8	27,586
1990	5,117	81,416	15.9	51,786	10.1	79,135	15.5	50,212	9.8	28,923
1991	5,171	81,076	15.7	52,362	10.1	78,468	15.2	50,711	9.8	27,757
1992	5,217	78,720	15.1	52,513	10.1	76,005	14.6	50,893	9.8	25,112
1993	5,271	77,986	14.8	55,322	10.5	75,146	14.3	53,655	10.2	21,491
1994	5,324	76,381	14.3	55,398	10.4	73,279	13.8	53,611	10.1	19,668
1995	5,378	75,980	14.1	56,062	10.4	72,804	13.5	54,222	10.1	18,582
1996	5,432	76,504	14.1	55,517	10.2	73,733	13.6	53,766	9.9	19,967
1997	5,481	76,650	14.0	55,887	10.2	73,940	13.5	54,203	9.9	19,737
1998	5,522	77,701	14.1	56,708	10.3	75,242	13.6	54,849	9.9	20,393
1999	5,562	77,371	13.9	57,621	10.4	75,366	13.6	55,732	10.0	19,634
2000	5,597	78,302	14.0	56,395	10.1	76,329	13.6	54,602	9.8	21,727
2001	5,641	76,690	13.6	56,343	10.0	75,290	13.3	54,601	9.7	20,689
2002	5,675	76,366	13.5	57,406	10.1	75,167	13.2	55,637	9.8	19,530
2003	5,709	77,878	13.6	56,903	10.0	76,960	13.5	55,195	9.7	21,765
2004	5,748	78,591	13.7	55,363	9.6	77,709	13.5	53,787	9.4	23,922
2005	5,790	79,525	13.7	56,091	9.7	78,547	13.6	54,324	9.4	24,223
2006	5,843	82,456	14.1	56,279	9.6	81,353	13.9	54,475	9.3	26,878
2007	5,888	82,823	14.1	55,888	9.5	81,883	13.9	53,937	9.2	27,946
2008	5,924	81,991	13.8	58,377	9.9	80,944	13.7	56,278	9.5	24,666
2009	5,961	79,593	13.4	56,148	9.4	78,849	13.2	54,064	9.1	24,785
2010	5,989	77,588	13.0	57,303	9.6	76,718	12.8	55,054	9.2	21,664
2011	6,011	77,135	12.8	57,794	9.6	76,069	12.7	55,599	9.2	20,470
2012	6,025	76,411	12.7	58,117	9.6	75,400	12.5	55,783	9.3	19,617
2013	6,043	76,390	12.6	59,456	9.8	75,244	12.4	57,256	9.5	17,988
2014	6,061	76,725	12.7	60,297	9.9	75,104	12.5	58,141	9.6	16,963
2015	6,076	76,169	12.5	61,995	10.2	75,042	12.4	59,810	9.8	15,232
2016	6,093	75,863	12.5	61,888	10.2	74,664	12.3	59,824	9.8	14,840

Graph B. Total Fertility Rates: Missouri, 1911-2016

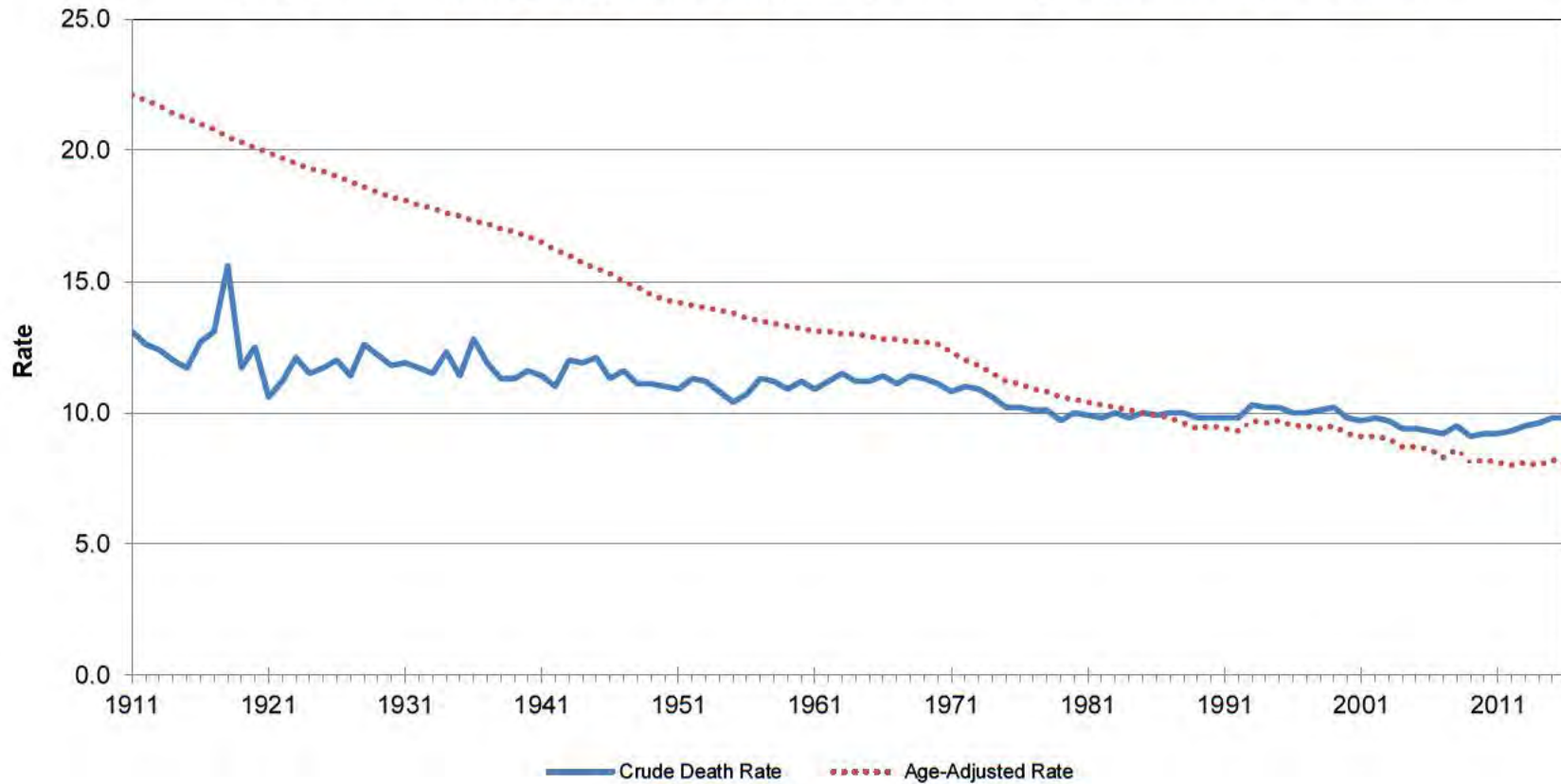


Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate
1911	2.71	1945	2.16	1980	1.90
1915	2.55	1950	2.92	1985	1.85
1920	2.33	1955	3.39	1990	2.00
1925	2.37	1960	3.63	1995	1.89
1930	2.09	1965	2.79	2000	2.00
1935	1.99	1970	2.40	2005	2.03
1940	2.02	1975	1.76	2010	1.94
				2011	1.91
				2012	1.89
				2013	1.88
				2014	1.87
				2015	1.87
				2016	1.86

Table 3. Fertility Rates per 1,000 Females by Age of Mother: Missouri, 1911-2016

Year	General Fertility Rate	Age of Mother									
		Under 15	15-19			20-24					
			Total	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
1911	93.3	0.4	48.8	---	---	134.2	133.5	109.6	77.7	33.5	3.8
1915	88.8	0.3	50.4	---	---	136.4	126.2	97.5	67.7	27.7	3.2
1920	80.6	0.4	49.6	---	---	129.3	113.3	85.0	59.6	25.0	3.0
1925	81.1	0.4	56.7	---	---	129.5	120.2	83.8	57.7	22.5	2.4
1930	71.1	0.5	54.1	---	---	115.5	103.6	79.8	46.7	18.3	2.0
1935	68.0	0.5	52.5	---	---	116.0	96.9	69.3	43.6	16.8	1.6
1940	69.1	0.4	54.5	---	---	123.6	104.8	69.8	37.1	13.2	1.4
1945	73.2	0.5	50.2	---	---	121.7	114.2	81.4	47.5	14.9	1.2
1950	98.6	0.9	82.6	---	---	189.5	153.4	95.2	48.1	14.0	1.0
1955	112.3	0.8	95.3	---	---	229.0	174.2	106.9	55.7	15.2	1.0
1960	118.1	0.9	99.0	---	---	254.4	187.5	110.5	56.5	16.5	1.0
1965	93.0	0.9	75.1	---	---	188.7	146.5	87.1	45.0	13.5	0.8
1970	85.6	1.1	71.8	---	---	163.3	137.2	67.7	30.1	8.8	0.5
1975	65.9	1.3	60.0	41.1	89.0	110.1	106.6	51.1	18.8	4.6	0.2
1980	70.6	1.2	57.5	35.6	88.0	121.9	116.9	60.5	18.3	3.7	0.2
1985	66.4	1.2	52.4	30.5	83.8	115.9	113.0	63.4	19.7	3.2	0.2
1990	67.9	1.2	62.7	39.2	92.9	118.9	117.3	70.5	25.3	4.1	0.1
1995	61.0	1.1	55.1	32.3	91.2	108.3	108.9	72.4	27.6	4.5	0.2
1996	61.5	0.9	53.2	30.8	88.8	111.7	110.6	74.1	28.5	4.9	0.2
1997	61.1	0.8	49.9	29.4	85.6	111.3	112.7	75.0	29.6	5.1	0.2
1998	62.3	0.7	51.1	28.7	85.3	113.9	114.4	76.9	30.5	5.4	0.2
1999	62.5	0.7	49.6	26.9	83.2	114.2	115.8	78.5	30.4	5.5	0.3
2000	63.3	0.7	48.6	26.7	80.4	115.2	115.4	82.9	31.4	5.8	0.4
2001	62.5	0.6	45.9	23.2	79.9	109.3	117.8	83.2	31.9	5.7	0.3
2002	62.6	0.6	43.7	21.9	76.6	108.3	116.4	84.2	33.1	5.9	0.4
2003	64.2	0.6	42.7	21.2	74.8	109.4	122.0	86.3	34.0	6.1	0.3
2004	65.0	0.7	42.8	21.4	74.4	108.4	121.4	87.1	36.2	6.4	0.4
2005	65.8	0.5	41.6	20.6	73.4	110.1	123.4	87.0	36.3	6.4	0.3
2006	68.2	0.5	44.0	22.4	77.0	114.4	124.8	89.3	37.1	6.6	0.4
2007	68.8	0.5	44.0	21.2	78.7	115.1	124.6	90.0	36.7	6.5	0.4
2008	68.4	0.5	43.5	21.3	75.8	111.3	122.1	90.4	36.5	6.8	0.4
2009	66.8	0.4	40.6	19.4	70.4	107.5	117.5	89.9	36.3	6.7	0.3
2010	65.2	0.4	37.0	17.0	65.0	100.0	116.6	90.2	36.0	7.2	0.4
2011	64.7	0.3	34.5	15.8	61.1	96.4	115.1	91.0	37.4	7.3	0.3
2012	64.2	0.4	32.2	13.8	58.9	93.3	114.9	91.4	37.8	7.5	0.4
2013	64.1	0.2	30.0	12.6	55.8	90.4	116.5	92.4	39.0	7.0	0.4
2014	64.0	0.3	27.2	11.7	50.5	88.7	115.8	94.7	39.6	7.5	0.4
2015	64.0	0.2	25.1	10.3	47.8	87.6	115.4	96.6	41.2	7.1	0.4
2016	63.7	0.2	23.3	9.4	44.7	85.5	113.7	97.6	42.6	8.0	0.4

Graph C. Crude and Age-Adjusted Death Rates* per 1,000 Population: Missouri, 1911-2016



Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.
1911	13.1	22.1	1945	12.1	15.5	1980	10.0	10.5	2011	9.2	8.1
1915	11.7	21.2	1950	11.0	14.3	1985	10.0	10.0	2012	9.3	8.0
1920	12.5	20.1	1955	10.4	13.8	1990	9.8	9.5	2013	9.5	8.1
1925	11.7	19.2	1960	11.2	13.2	1995	10.2	9.7	2014	9.6	8.0
1930	11.8	18.2	1965	11.2	12.9	2000	9.8	9.2	2015	9.8	8.2
1935	11.4	17.5	1970	11.1	12.6	2005	9.4	8.7	2016	9.8	8.1
1940	11.6	16.7	1975	10.2	11.2	2010	9.2	8.2			

*United States 2000 population distribution used as the standard.

Table 4. Age-Specific Death Rates per 1,000 Population: Missouri, 1911-2016

Year	Total*	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1911	22.1	99.6	12.3	2.7	4.8	6.9	8.8	13.5	24.4	52.4	118.8	247.6
1920	20.1	87.1	10.4	2.8	5.0	7.0	7.9	11.2	21.1	47.0	104.2	249.0
1930	18.2	63.9	5.1	1.8	3.3	4.4	6.4	11.9	22.2	49.5	110.0	190.0
1940	16.7	51.6	3.3	1.0	1.9	2.8	4.9	9.8	20.4	44.8	110.0	207.2
1950	14.3	33.4	1.5	0.6	1.2	1.7	3.4	8.1	18.1	38.9	94.3	210.4
1960	13.2	25.5	1.0	0.4	1.1	1.5	2.9	7.2	16.6	37.1	86.5	201.1
1970	12.6	20.8	0.8	0.4	1.4	1.6	3.2	7.2	16.6	35.8	81.8	181.9
1975	11.2	16.4	0.6	0.3	1.2	1.4	2.6	6.5	14.6	32.4	71.9	170.6
1980	10.5	12.3	0.7	0.3	1.3	1.3	2.2	5.8	13.4	30.5	67.1	162.4
1985	10.0	10.2	0.5	0.2	1.0	1.2	1.8	5.1	13.3	28.5	65.8	161.4
1990	9.4	9.4	0.5	0.3	1.1	1.3	2.0	4.5	12.5	26.8	60.9	154.5
1995	9.7	7.4	0.4	0.3	1.1	1.4	2.3	4.8	11.7	27.3	60.9	159.5
1996	9.5	7.6	0.4	0.3	1.0	1.2	2.3	4.5	11.2	26.5	60.6	158.2
1997	9.5	7.6	0.4	0.2	1.0	1.2	2.0	4.5	11.5	26.6	59.7	160.8
1998	9.4	7.6	0.4	0.2	0.9	1.2	2.1	4.4	11.0	26.5	60.6	163.5
1999	9.5	7.7	0.3	0.2	0.9	1.2	2.2	4.4	10.9	26.7	61.3	165.5
2000	9.2	7.2	0.3	0.2	1.0	1.1	2.1	4.4	10.6	25.5	59.5	162.2
2001	9.1	7.4	0.4	0.2	1.0	1.1	2.2	4.4	10.2	24.8	59.0	161.9
2002	9.1	8.5	0.4	0.2	1.0	1.1	2.2	4.6	10.1	25.0	59.1	164.3
2003	9.0	7.8	0.4	0.2	0.9	1.1	2.2	4.7	10.1	24.3	58.0	160.8
2004	8.7	7.5	0.4	0.2	0.9	1.1	2.1	4.5	9.9	23.3	56.0	154.9
2005	8.7	7.5	0.3	0.2	1.0	1.2	2.2	4.8	9.5	22.8	56.0	153.9
2006	8.6	7.4	0.3	0.2	1.0	1.3	2.2	4.7	9.6	22.2	54.6	151.8
2007	8.3	7.5	0.4	0.2	0.9	1.2	2.0	4.6	9.1	21.6	53.6	150.2
2008	8.6	7.2	0.3	0.2	0.9	1.2	2.1	4.8	9.7	21.7	54.7	156.1
2009	8.1	7.2	0.4	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.8	142.5
2010	8.2	6.6	0.2	0.1	0.9	1.3	2.1	4.7	9.3	20.8	51.6	146.9
2011	8.1	6.3	0.3	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.1	144.4
2012	8.0	6.6	0.3	0.2	0.8	1.3	2.0	4.7	9.4	20.1	50.2	141.4
2013	8.1	6.5	0.3	0.2	0.8	1.2	2.1	4.7	9.8	20.2	50.6	143.3
2014	8.0	6.1	0.3	0.1	0.8	1.3	2.1	4.8	10.1	20.2	50.6	139.6
2015	8.2	6.5	0.3	0.2	0.9	1.4	2.2	4.8	10.2	20.3	50.8	142.3
2016	8.1	6.6	0.3	0.1	1.0	1.6	2.4	4.7	9.9	20.1	49.5	139.5

*Age-Adjusted Death Rate using United States 2000 population distribution as the standard.

Table 5A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2016

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
Total	74,664	55,322	10,379	4,752	4,133
Gender					
Male	38,269	28,308	5,337	2,474	2,110
Female	36,395	27,014	5,042	2,278	2,023
Attendant					
MD	58,899	42,651	9,193	3,841	3,161
DO	11,409	9,171	899	671	660
CNM/CM	2,952	2,280	179	201	287
CPM	488	453	9	14	12
Other Midwife	421	414	0	2	3
Other	495	353	99	23	10
Birthplace					
Hospital	72,929	53,761	10,320	4,700	4,081
Birthing Center	294	251	11	13	19
Clinic	139	130	1	3	4
Home Residence	1,179	1,087	35	25	24
...Planned	1,083	1,034	12	15	17
...Unplanned	86	48	21	10	7
Other	123	93	12	11	5
Month of Birth					
January	5,935	4,342	859	379	346
February	5,910	4,367	830	373	333
March	6,311	4,714	828	414	352
April	5,731	4,321	750	343	313
May	6,077	4,513	839	386	327
June	6,383	4,768	878	373	358
July	6,635	4,889	916	454	367
August	6,814	5,087	946	435	336
September	6,551	4,876	892	399	378
October	6,230	4,574	875	404	374
November	5,980	4,384	870	420	301
December	6,107	4,487	896	372	348
Number Born					
Singleton	71,977	53,315	9,943	4,602	4,045
Twin	2,594	1,932	429	139	88
Triplet	89	71	7	11	0
Quadruplet or More	4	4	0	0	0

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
Previous Non-Live Birth Outcomes					
None	51,857	38,850	6,601	3,337	3,017
One	14,588	10,662	2,281	892	740
Two or More	7,757	5,487	1,419	489	357
Unknown	462	323	78	34	19
Maternal Smoking					
Non-smoker	58,728	42,548	8,577	3,915	3,643
3 Months Prior	15,146	12,339	1,602	786	415
During Pregnancy	11,290	9,258	1,176	592	260
...First Trimester	10,966	9,018	1,126	568	250
...Second Trimester	9,360	7,764	937	465	191
...Last 3 Months	8,859	7,400	866	427	163
...Smoked Pack per Day	1,699	1,462	140	74	23
...Quit Smoking	2,405	1,845	305	161	93
Status Unknown	642	333	172	40	68
Full-Term Singleton Maternal Weight Gain					
Less than 15 Pounds	8,410	5,661	1,583	552	610
15 to 24 Pounds	10,732	7,647	1,557	789	733
25 to 34 Pounds	17,300	13,182	1,983	1,133	992
35 to 44 Pounds	14,531	11,495	1,548	824	656
45 or More Pounds	13,362	10,358	1,674	769	550
Unknown	1,615	915	398	117	163
Maternal Weight Status Before Pregnancy					
Underweight	2,885	2,113	357	285	128
Normal	32,885	25,285	3,613	2,334	1,627
Overweight	17,965	13,158	2,578	1,100	1,117
Obese	19,913	14,275	3,609	947	1,073
Principal Payment Source					
Medicaid	28,815	17,597	7,178	1,872	2,145
Private Insurance	40,737	34,066	2,735	2,498	1,405
Self-pay	2,611	1,947	171	199	289
Other	1,592	1,090	170	123	205
Unknown	909	622	125	60	89

*: Includes births to mothers of multiple races, but not mothers of unknown race

Table 5B. Resident Live Births by Selected Obstetric, Pediatric, and Maternal Conditions and Procedures: Missouri, 2016

	Number	Percent
Live Births	74,664	100.0
Pregnancy Risk Factors	22,434	30.0
...Prepregnancy Diabetes	628	0.8
...Gestational Diabetes	4,556	6.1
...Insulin-dependent Diabetes	797	1.1
...Prepregnancy Hypertension	1,705	2.3
...Gestational Hypertension	5,500	7.4
...Eclampsia	493	0.7
...Previous Preterm Births	2,769	3.7
...Other Poor Pregnancy Outcomes	1,278	1.7
...Infertility Treatment	1,063	1.4
...Previous Cesarean Delivery	10,172	13.6
Infections	2,484	3.3
...Gonorrhea	326	0.4
...Syphilis	48	0.1
...Chlamydia	1,703	2.3
...Hepatitis B	110	0.1
...Hepatitis C	518	0.7
...HIV	47	0.1
Obstetric Procedures	1,161	1.6
...Cervical Cerclage	257	0.3
...Tocolysis	721	1.0
...External Cephalic Version	244	0.3
.....Successful*	119	48.8
Onset of Labor	6,910	9.3
...Premature Membrane Rupture	2,618	3.5
...Precipitous Labor	3,343	4.5
...Prolonged Labor	1,192	1.6

	Number	Percent
Characteristics of Labor	66,353	88.9
...Induction of Labor	25,585	34.3
...Augmentation of Labor	18,090	24.2
...Non-vertex Presentation	1,216	1.6
...Steroids for Lung Maturation	2,286	3.1
...Antibiotics for Mother	23,985	32.1
...Clinical Chorioamnionitis	1,089	1.5
...Meconium Staining	3,990	5.3
...Fetal Intolerance of Labor	3,675	4.9
...Epidural Given	58,211	78.0
Final Delivery Route and Method		
...Vaginal/Spontaneous	49,860	66.8
...Vaginal/Forceps	503	0.7
...Vaginal/Vacuum	1,709	2.3
...Cesarean	22,515	30.2
..... Vaginal Trial Prior to Cesarean**	7,254	32.2
...Attempted Forceps (unsuccessful)	241	0.3
...Attempted Vacuum (unsuccessful)	485	0.6
...Vaginal After Previous Cesarean (VBAC)***	1,628	16.0
Fetal Presentation:		
...Cephalic	70,678	94.7
...Breech	3,078	4.1
...Other	502	0.7

	Number	Percent
Abnormal Conditions of Newborn	8,444	11.3
...Assisted Ventilation, Immediate	4,221	5.7
...Assisted Ventilation, Long-term	1,376	1.8
...NICU Admission	6,184	8.3
...Surfactant Therapy	615	0.8
...Antibiotics for Suspected Sepsis	1,870	2.5
...Seizures or Neurological Problems	31	0.0
...Birth Injury	48	0.1
Congenital Anomalies	308	0.4
...Anencephaly	12	0.0
...Spina Bifida	15	0.0
...Cyanotic Heart Disease	43	0.1
...Diaphragmatic Hernia	15	0.0
...Omphalocele	13	0.0
...Gastrochisis	26	0.0
...Limb Reduction	10	0.0
...Cleft Lip (with or without Cleft Palate)	52	0.1
...Cleft Palate (alone)	25	0.0
...Down Syndrome	35	0.0
...Other Chromosomal	16	0.0
...Hypospadias	70	0.1
Maternal Morbidity	1,190	1.6
...Maternal Transfusion	393	0.5
...Perinatal Laceration (3rd or 4th degree)	565	0.8
...Ruptured Uterus	28	0.0
...Unplanned Hysterectomy	37	0.0
...Admission to ICU	138	0.2
...Unplanned OR Procedure	180	0.2

* : Percent of Cephalic Version

** : Percent of Cesarean Births

*** : Percent of Previous Cesarean Deliveries

Table 6. Resident Live Births by Race and Age of Mother by Marital Status and Live Birth Order: Missouri, 2016

		All Live Births						Out-of-Wedlock Births					
		Total	Live Birth Order					Total	Live Birth Order				
			1st	2nd	3rd	4th	5th or More		1st	2nd	3rd	4th	5th or More
All Races	All Ages	74,664	27,811	23,979	13,100	5,699	4,075	29,750	12,870	8,412	4,687	2,168	1,613
	Under 15	35	35	0	0	0	0	35	35	0	0	0	0
	15-17	1,101	1,022	71	8	0	0	1,061	990	65	6	0	0
	18-19	3,400	2,743	574	75	8	0	2,984	2,439	479	60	6	0
	20-24	17,582	8,867	5,882	2,091	560	182	11,301	5,869	3,658	1,278	366	130
	25-29	23,359	8,241	7,886	4,441	1,824	967	8,219	2,300	2,675	1,866	852	526
	30-34	19,540	5,099	6,802	4,235	1,975	1,429	4,078	853	1,069	1,023	607	526
	35-39	8,120	1,518	2,407	1,951	1,107	1,137	1,698	298	389	379	278	354
	40-44	1,420	253	337	282	213	335	344	77	68	69	57	73
	45 and Over	81	20	14	12	11	24	15	3	5	3	1	3
	Unknown	26	13	6	5	1	1	15	6	4	3	1	1
White, Non-Hispanic	All Ages	55,322	20,862	18,324	9,690	3,925	2,521	18,066	8,389	5,179	2,721	1,094	683
	Under 15	17	17	0	0	0	0	17	17	0	0	0	0
	15-17	677	641	32	4	0	0	645	615	27	3	0	0
	18-19	2,239	1,842	349	44	4	0	1,911	1,605	272	32	2	0
	20-24	12,159	6,257	4,098	1,413	311	80	6,953	3,778	2,241	731	164	39
	25-29	17,638	6,590	6,115	3,199	1,197	537	4,930	1,529	1,647	1,105	428	221
	30-34	15,369	4,138	5,603	3,280	1,439	909	2,410	590	695	585	310	230
	35-39	6,128	1,182	1,864	1,523	813	746	989	211	247	217	152	162
	40-44	1,016	170	250	213	152	231	191	38	44	45	36	28
	45 and Over	63	18	8	11	8	18	12	3	3	2	1	3
	Unknown	16	7	5	3	1	0	8	3	3	1	1	0
Black, Non-Hispanic	All Ages	10,379	3,505	2,938	1,941	1,033	962	7,840	2,851	2,187	1,389	747	666
	Under 15	8	8	0	0	0	0	8	8	0	0	0	0
	15-17	232	208	22	2	0	0	230	206	22	2	0	0
	18-19	656	500	138	16	2	0	637	485	136	14	2	0
	20-24	3,343	1,568	1,076	450	173	76	3,019	1,426	964	401	154	74
	25-29	3,147	714	964	748	416	305	2,312	501	705	557	312	237
	30-34	1,928	335	489	484	298	322	1,097	142	256	289	200	210
	35-39	878	125	217	211	123	202	442	56	91	109	67	119
	40-44	174	43	29	29	20	53	91	26	11	16	12	26
	45 and Over	10	1	3	1	1	4	3	0	2	1	0	0
	Unknown	3	3	0	0	0	0	1	1	0	0	0	0

**Table 7. Teen-Age Resident Live Births by Race and Age of Mother by Marital Status
and Live Birth Order with Percentages: Missouri, 2016**

		All Live Births				Out-of-Wedlock Births				Percent Out-of-Wedlock			
		Total	Live Birth Order			Total	Live Birth Order			Total	Live Birth Order		
			1st	2nd	3rd or More		1st	2nd	3rd or More		1st	2nd	3rd or More
All Races	All Ages	4,536	3,800	645	91	4,080	3,464	544	72	89.9	91.2	84.3	79.1
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	2	2	0	0	2	2	0	0	100.0	100.0	---	---
	13	5	5	0	0	5	5	0	0	100.0	100.0	---	---
	14	28	28	0	0	28	28	0	0	100.0	100.0	---	---
	15	120	118	2	0	116	114	2	0	96.7	96.6	100.0	---
	16	283	268	14	1	275	261	13	1	97.2	97.4	92.9	100.0
	17	698	636	55	7	670	615	50	5	96.0	96.7	90.9	71.4
	18	1,338	1,110	213	15	1,226	1,028	184	14	91.6	92.6	86.4	93.3
	19	2,062	1,633	361	68	1,758	1,411	295	52	85.3	86.4	81.7	76.5
White, Non-Hispanic	All Ages	2,933	2,500	381	52	2,573	2,237	299	37	87.7	89.5	78.5	71.2
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	1	1	0	0	1	1	0	0	100.0	100.0	---	---
	13	1	1	0	0	1	1	0	0	100.0	100.0	---	---
	14	15	15	0	0	15	15	0	0	100.0	100.0	---	---
	15	61	60	1	0	57	56	1	0	93.4	93.3	100.0	---
	16	163	158	4	1	159	155	3	1	97.5	98.1	75.0	100.0
	17	453	423	27	3	429	404	23	2	94.7	95.5	85.2	66.7
	18	868	733	128	7	784	670	108	6	90.3	91.4	84.4	85.7
	19	1,371	1,109	221	41	1,127	935	164	28	82.2	84.3	74.2	68.3
Black, Non-Hispanic	All Ages	896	716	160	20	875	699	158	18	97.7	97.6	98.8	90.0
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	1	1	0	0	1	1	0	0	100.0	100.0	---	---
	14	7	7	0	0	7	7	0	0	100.0	100.0	---	---
	15	42	41	1	0	42	41	1	0	100.0	100.0	100.0	---
	16	65	59	6	0	64	58	6	0	98.5	98.3	100.0	---
	17	125	108	15	2	124	107	15	2	99.2	99.1	100.0	100.0
	18	255	199	51	5	251	197	49	5	98.4	99.0	96.1	100.0
	19	401	301	87	13	386	288	87	11	96.3	95.7	100.0	84.6

**Table 8. Percent Resident Low Birth Weight and Resident Live Births by Birth Weight
by Race and Age of Mother: Missouri, 2016**

		Percent Low Birth Weight	Total	Birth Weight (Grams)										Unknown
				Less Than 500	500-999	1000- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499	4500 or More	
All Races	All Ages	8.7	74,664	149	366	583	1,262	4,139	13,078	28,155	20,482	5,500	888	62
	Under 15	11.4	35	0	1	0	1	2	6	18	7	0	0	0
	15-17	10.8	1,101	2	10	9	21	77	246	465	223	44	4	0
	18-19	10.6	3,400	8	22	33	64	232	740	1,355	781	144	16	5
	20-24	9.5	17,582	48	96	140	329	1,048	3,525	6,946	4,327	980	130	13
	25-29	7.9	23,359	45	102	167	325	1,199	3,994	8,791	6,659	1,771	286	20
	30-34	7.9	19,540	30	84	150	320	956	3,034	7,191	5,800	1,685	280	10
	35-39	9.8	8,120	16	47	60	162	508	1,273	2,876	2,280	735	151	12
	40 and Over	12.1	1,501	0	4	23	40	114	252	505	400	140	21	2
White, Non-Hispanic	All Ages	7.5	55,322	65	196	351	833	2,679	8,578	20,653	16,514	4,672	739	42
	Under 15	11.8	17	0	0	0	1	1	4	7	4	0	0	0
	15-17	8.7	677	1	4	4	14	36	124	291	167	33	3	0
	18-19	8.9	2,239	1	14	20	33	131	425	887	601	109	14	4
	20-24	8.0	12,159	21	48	86	190	622	2,165	4,792	3,320	799	107	9
	25-29	6.8	17,638	19	63	99	223	798	2,672	6,607	5,412	1,498	233	14
	30-34	6.9	15,369	13	38	93	244	674	2,131	5,583	4,854	1,488	244	7
	35-39	8.3	6,128	10	26	35	105	333	884	2,137	1,841	625	125	7
	40 and Over	11.2	1,079	0	3	13	23	82	170	343	311	120	13	1
Black, Non-Hispanic	All Ages	15.2	10,379	67	115	170	287	933	2,742	3,946	1,731	324	54	10
	Under 15	0.0	8	0	0	0	0	0	2	4	2	0	0	0
	15-17	15.5	232	1	2	1	6	26	73	95	23	4	1	0
	18-19	14.2	656	6	7	9	13	58	208	266	78	9	1	1
	20-24	15.4	3,343	20	38	45	108	305	940	1,294	514	69	7	3
	25-29	14.5	3,147	21	34	50	72	279	826	1,180	540	122	19	4
	30-34	14.3	1,928	13	22	38	48	154	451	720	386	80	16	0
	35-39	18.0	878	6	11	18	31	92	201	314	162	34	8	1
	40 and Over	20.8	184	0	1	9	9	19	38	73	26	6	2	1

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2016**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
State Total	74,664	55,322	10,379	29,750	18,066	7,840	39.8	32.7	75.5
Adair	272	233	19	81	71	4	29.8	30.5	21.1
Andrew	183	175	2	51	47	1	27.9	26.9	50.0
Atchison	53	50	0	17	17	0	32.1	34.0	---
Audrain	358	315	21	176	141	19	49.2	44.8	90.5
Barry	419	337	2	168	137	1	40.1	40.7	50.0
Barton	128	119	0	51	45	0	39.8	37.8	---
Bates	170	156	0	68	62	0	40.0	39.7	---
Benton	158	146	2	63	58	2	39.9	39.7	100.0
Bollinger	114	113	0	39	39	0	34.2	34.5	---
Boone	2,092	1,506	284	657	354	210	31.4	23.5	73.9
Buchanan	1,154	906	61	617	459	49	53.5	50.7	80.3
Butler	576	497	35	290	239	28	50.3	48.1	80.0
Caldwell	95	91	0	33	31	0	34.7	34.1	---
Callaway	464	417	17	183	156	13	39.4	37.4	76.5
Camden	381	347	3	176	158	2	46.2	45.5	66.7
Cape Girardeau	896	704	108	354	230	84	39.5	32.7	77.8
Carroll	109	105	1	41	39	1	37.6	37.1	100.0
Carter	82	81	0	31	31	0	37.8	38.3	---
Cass	1,225	1,061	38	437	356	26	35.7	33.6	68.4
Cedar	196	184	1	69	64	0	35.2	34.8	0.0
Chariton	82	79	1	25	23	0	30.5	29.1	0.0
Christian	999	905	4	285	240	2	28.5	26.5	50.0
Clark	75	73	0	28	28	0	37.3	38.4	---
Clay	2,981	2,291	250	944	636	126	31.7	27.8	50.4
Clinton	255	241	1	106	100	1	41.6	41.5	100.0
Cole	939	686	162	364	215	116	38.8	31.3	71.6
Cooper	192	179	3	72	64	3	37.5	35.8	100.0
Crawford	265	252	2	137	126	2	51.7	50.0	100.0
Dade	71	69	0	28	26	0	39.4	37.7	---
Dallas	213	206	0	70	69	0	32.9	33.5	---
Daviess	110	106	0	29	29	0	26.4	27.4	---
Dekalb	123	115	0	43	41	0	35.0	35.7	---
Dent	166	155	0	65	62	0	39.2	40.0	---
Douglas	154	151	0	50	50	0	32.5	33.1	---

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2016**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Dunklin	424	293	70	249	160	60	58.7	54.6	85.7
Franklin	1,249	1,169	7	454	415	2	36.3	35.5	28.6
Gasconade	158	148	2	57	50	2	36.1	33.8	100.0
Gentry	87	85	1	25	24	0	28.7	28.2	0.0
Greene	3,577	3,065	96	1,383	1,135	61	38.7	37.0	63.5
Grundy	153	146	0	53	49	0	34.6	33.6	---
Harrison	111	108	0	44	42	0	39.6	38.9	---
Henry	259	242	0	115	108	0	44.4	44.6	---
Hickory	81	78	0	33	33	0	40.7	42.3	---
Holt	56	54	0	15	15	0	26.8	27.8	---
Howard	116	106	2	45	37	2	38.8	34.9	100.0
Howell	485	461	1	210	199	0	43.3	43.2	0.0
Iron	103	100	0	46	45	0	44.7	45.0	---
Jackson	9,414	5,049	2,452	4,588	1,636	1,889	48.7	32.4	77.0
Jasper	1,668	1,298	18	721	514	11	43.2	39.6	61.1
Jefferson	2,637	2,484	23	1,061	990	13	40.2	39.9	56.5
Johnson	701	575	23	167	134	7	23.8	23.3	30.4
Knox	48	46	0	11	11	0	22.9	23.9	---
Laclede	515	492	2	210	200	1	40.8	40.7	50.0
Lafayette	362	329	4	161	146	3	44.5	44.4	75.0
Lawrence	526	458	2	185	154	2	35.2	33.6	100.0
Lewis	113	106	1	42	37	1	37.2	34.9	100.0
Lincoln	744	676	15	298	258	12	40.1	38.2	80.0
Linn	125	120	0	46	44	0	36.8	36.7	---
Livingston	163	151	0	68	62	0	41.7	41.1	---
McDonald	370	242	18	169	115	3	45.7	47.5	16.7
Macon	160	153	2	58	55	2	36.3	35.9	100.0
Madison	150	144	0	72	68	0	48.0	47.2	---
Maries	72	70	0	23	22	0	31.9	31.4	---
Marion	348	311	15	135	112	12	38.8	36.0	80.0
Mercer	47	46	0	21	20	0	44.7	43.5	---
Miller	301	283	2	119	106	2	39.5	37.5	100.0
Mississippi	146	99	40	97	56	35	66.4	56.6	87.5
Moniteau	192	177	1	55	48	1	28.6	27.1	100.0
Monroe	112	104	3	48	41	3	42.9	39.4	100.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2016**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Montgomery	124	119	0	50	47	0	40.3	39.5	---
Morgan	254	242	1	77	70	1	30.3	28.9	100.0
New Madrid	231	170	52	142	95	39	61.5	55.9	75.0
Newton	707	558	3	255	191	2	36.1	34.2	66.7
Nodaway	240	222	2	60	57	2	25.0	25.7	100.0
Oregon	118	112	0	37	33	0	31.4	29.5	---
Osage	182	178	0	44	42	0	24.2	23.6	---
Ozark	85	80	0	43	39	0	50.6	48.8	---
Pemiscot	256	139	104	172	75	90	67.2	54.0	86.5
Perry	219	209	2	87	80	1	39.7	38.3	50.0
Pettis	535	440	16	230	181	13	43.0	41.1	81.3
Phelps	496	408	11	162	150	4	32.7	36.8	36.4
Pike	215	205	3	89	80	2	41.4	39.0	66.7
Platte	1,242	932	102	354	222	49	28.5	23.8	48.0
Polk	384	358	0	126	118	0	32.8	33.0	---
Pulaski	800	565	74	195	143	24	24.4	25.3	32.4
Putnam	62	62	0	12	12	0	19.4	19.4	---
Ralls	101	96	0	27	26	0	26.7	27.1	---
Randolph	297	276	5	135	126	3	45.5	45.7	60.0
Ray	252	233	2	119	109	1	47.2	46.8	50.0
Reynolds	49	46	0	27	26	0	55.1	56.5	---
Ripley	175	173	0	79	78	0	45.1	45.1	---
St. Charles	4,487	3,815	227	1,102	851	128	24.6	22.3	56.4
St. Clair	117	110	0	45	42	0	38.5	38.2	---
St. Francois	703	660	5	356	335	5	50.6	50.8	100.0
Ste. Genevieve	192	188	1	69	67	1	35.9	35.6	100.0
St. Louis City	4,321	1,528	2,244	2,506	353	1,901	58.0	23.1	84.7
St. Louis County	11,673	6,513	3,591	4,346	1,226	2,675	37.2	18.8	74.5
Saline	238	181	7	114	84	5	47.9	46.4	71.4
Schuyler	71	71	0	19	19	0	26.8	26.8	---
Scotland	90	88	0	22	21	0	24.4	23.9	---
Scott	482	384	71	247	174	59	51.2	45.3	83.1
Shannon	89	81	1	33	29	0	37.1	35.8	0.0
Shelby	80	76	0	21	19	0	26.3	25.0	---
Stoddard	308	289	5	129	115	4	41.9	39.8	80.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2016**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Stone	247	228	1	108	100	1	43.7	43.9	100.0
Sullivan	85	67	1	36	28	1	42.4	41.8	100.0
Taney	659	558	11	303	250	4	46.0	44.8	36.4
Texas	302	292	1	100	94	1	33.1	32.2	100.0
Vernon	237	226	0	95	87	0	40.1	38.5	---
Warren	425	375	16	175	151	9	41.2	40.3	56.3
Washington	290	285	0	156	151	0	53.8	53.0	---
Wayne	142	133	2	62	59	0	43.7	44.4	0.0
Webster	585	554	1	152	134	1	26.0	24.2	100.0
Worth	25	23	0	10	9	0	40.0	39.1	---
Wright	269	255	0	90	84	0	33.5	32.9	---

Multi-County Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Joplin	671	553	15	312	242	11	46.5	43.8	73.3
...Jasper Co. Part	609	504	13	288	224	9	47.3	44.4	69.2
...Newton Co. Part	62	49	2	24	18	2	38.7	36.7	100.0
Kansas City	6,998	3,255	2,169	3,286	851	1,617	47.0	26.1	74.6
...Jackson Co. Part	4,532	1,517	1,884	2,570	439	1,482	56.7	28.9	78.7
...Clay Co. Part	1,804	1,302	206	529	320	97	29.3	24.6	47.1
...Platte Co. Part	661	436	79	187	92	38	28.3	21.1	48.1
...Cass Co. Part	1	0	0	0	0	0	0.0	---	---

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2016**

Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Ballwin	324	271	5	39	29	2	12.0	10.7	40.0
Blue Springs	694	581	40	220	171	23	31.7	29.4	57.5
Cape Girardeau	436	276	97	210	107	74	48.2	38.8	76.3
Chesterfield	376	256	8	29	22	4	7.7	8.6	50.0
Columbia	1,388	928	218	416	189	161	30.0	20.4	73.9
Florissant	632	311	262	323	115	176	51.1	37.0	67.2
Gladstone	312	228	26	124	82	17	39.7	36.0	65.4
Hazelwood	366	131	183	200	47	126	54.6	35.9	68.9
Independence	1,535	1,028	172	847	509	132	55.2	49.5	76.7
Jefferson City	551	342	132	247	122	99	44.8	35.7	75.0
Kirkwood	351	303	25	49	24	21	14.0	7.9	84.0
Lee's Summit	1,122	910	83	256	164	52	22.8	18.0	62.7
Liberty	316	271	6	97	77	3	30.7	28.4	50.0
Maryland Heights	342	149	64	85	43	28	24.9	28.9	43.8
O'Fallon	1,071	911	39	230	185	20	21.5	20.3	51.3
Raytown	369	189	124	220	91	97	59.6	48.1	78.2
St. Charles	720	545	76	246	170	45	34.2	31.2	59.2
St. Joseph	1,019	786	59	570	421	47	55.9	53.6	79.7
St. Louis City	4,321	1,528	2,244	2,506	353	1,901	58.0	23.1	84.7
St. Peters	593	514	19	126	99	10	21.2	19.3	52.6
Springfield	2,082	1,709	80	962	767	55	46.2	44.9	68.8
University City	501	267	157	147	12	118	29.3	4.5	75.2
Wentzville	532	461	29	123	89	20	23.1	19.3	69.0
Wildwood	258	232	3	26	20	1	10.1	8.6	33.3

Table 10A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2016

		<u>All Races</u>		<u>White, Non-Hisp.</u>		<u>Black, Non-Hisp.</u>		<u>Other, Non-Hisp.*</u>		<u>Hispanic, Any Race</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		74,664	100.0	55,322	100.0	10,379	100.0	4,752	100.0	4,133	100.0
Birth Weight: Under 2500 Grams		6,499	8.7	4,124	7.5	1,572	15.2	486	10.2	306	7.4
Birth Weight: Above 4499 Grams		888	1.2	739	1.3	54	0.5	39	0.8	54	1.3
Gestational Age: Less than 37 Weeks		7,595	10.2	5,219	9.4	1,476	14.2	508	10.7	383	9.3
APGAR (5 Minutes): Less than 8		4,018	5.4	2,779	5.1	790	7.7	262	5.5	183	4.4
Infant Care: NICU Admission		6,184	8.3	4,212	7.6	1,166	11.2	445	9.4	347	8.4
Infant Care: Transfer to Other Facility		1,167	1.6	807	1.5	254	2.4	45	0.9	58	1.4
Place of Birth: At-Home Delivery		1,179	1.6	1,087	2.0	35	0.3	25	0.5	24	0.6
Method of Delivery: Cesarean		22,515	30.2	16,408	29.7	3,410	32.9	1,493	31.4	1,182	28.6
Infant Care: Breastfed After Delivery		57,326	79.0	43,871	81.6	6,233	61.8	3,834	82.9	3,340	83.0
Maternal Smoking: During Pregnancy		11,290	15.3	9,258	16.8	1,176	11.5	592	12.6	260	6.4
...Quit Smoking During Pregnancy		2,405	21.3	1,845	19.9	305	25.9	161	27.2	93	35.8
Mat. Weight: Underweight (BMI < 18.5)		2,885	3.9	2,113	3.9	357	3.5	285	6.1	128	3.2
Mat. Weight: Obese (BMI >= 30)		19,913	27.0	14,275	26.0	3,609	35.5	947	20.3	1,073	27.2
Mat. Sing. Wt. Gain: Low (< 15 lbs)		8,410	13.1	5,661	11.7	1,583	19.0	552	13.6	610	17.2
Mat. Sing. Wt. Gain: High (> 45 lbs)		13,362	20.8	10,358	21.4	1,674	20.1	769	18.9	550	15.5
Mother's Education: Under 12 Yrs.		9,364	12.6	5,810	10.5	1,531	14.9	658	13.9	1,358	33.1
Marital Status: Out-of-Wedlock		29,750	39.8	18,066	32.7	7,840	75.5	1,738	36.6	2,071	50.1
Live Birth Order: 4 or More		9,774	13.1	6,446	11.7	1,995	19.3	592	12.5	730	17.7
Birth Spacing: Less than 18 Months		5,160	11.8	3,586	11.1	962	15.1	307	12.0	298	11.7
Prenatal Care: 1st Trimester		51,749	73.6	40,673	77.1	5,753	62.6	2,981	67.2	2,311	60.1
Prenatal Care: 2nd Trimester		14,338	20.4	9,554	18.1	2,573	28.0	1,059	23.9	1,136	29.6
Prenatal Care: 3rd Trimester		3,316	4.7	2,034	3.9	621	6.8	318	7.2	337	8.8
Prenatal Care: None		906	1.3	513	1.0	243	2.6	80	1.8	60	1.6
Prenatal Care: Inadequate		13,213	19.2	7,987	15.5	2,950	32.8	1,089	24.9	1,159	30.6
Maternal Utilization: Medicaid		28,815	39.1	17,597	32.2	7,178	70.0	1,872	39.9	2,145	53.0
Maternal Utilization: WIC		28,110	38.4	17,700	32.5	6,218	61.9	1,845	40.9	2,335	57.8
Maternal Utilization: Food Stamps		19,010	27.5	11,085	21.5	5,649	59.5	1,167	27.2	1,100	29.9
Mother's Age: At Delivery	Under 15	35	0.0	17	0.0	8	0.1	4	0.1	6	0.1
	15-17	1,101	1.5	677	1.2	232	2.2	80	1.7	111	2.7
	18-19	3,400	4.6	2,239	4.0	656	6.3	222	4.7	278	6.7
	20-24	17,582	23.6	12,159	22.0	3,343	32.2	1,017	21.4	1,052	25.5
	25-29	23,359	31.3	17,638	31.9	3,147	30.3	1,375	28.9	1,179	28.5
	30-34	19,540	26.2	15,369	27.8	1,928	18.6	1,316	27.7	906	21.9
	35-39	8,120	10.9	6,128	11.1	878	8.5	620	13.0	481	11.6
	40 and over	1,501	2.0	1,079	2.0	184	1.8	118	2.5	117	2.8

*: Includes births to mothers of multiple races, but not mothers of unknown race

Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2016

		<u>Northeast</u>		<u>Northwest</u>		<u>Central</u>		<u>Southeast</u>		<u>Southwest</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		2,937	100.0	2,952	100.0	8,627	100.0	6,750	100.0	11,601	100.0
Birth Weight: Under 2500 Grams		236	8.0	239	8.1	708	8.2	599	8.9	899	7.8
Birth Weight: Above 4499 Grams		47	1.6	34	1.2	117	1.4	78	1.2	154	1.3
Gestational Age: Less than 37 Weeks		304	10.4	241	8.2	804	9.3	770	11.4	1,069	9.2
APGAR (5 Minutes): Less than 8		240	8.2	128	4.4	632	7.4	341	5.1	549	4.8
Infant Care: NICU Admission		204	6.9	189	6.4	692	8.0	407	6.0	941	8.1
Infant Care: Transfer to Other Facility		75	2.6	51	1.7	155	1.8	227	3.4	102	0.9
Place of Birth: At-Home Delivery		163	5.5	62	2.1	180	2.1	98	1.5	337	2.9
Method of Delivery: Cesarean		863	29.5	854	29.0	2,658	30.8	2,101	31.1	3,217	27.8
Infant Care: Breastfed After Delivery		2,243	79.6	2,214	76.4	6,902	82.4	4,169	63.5	9,430	83.6
Maternal Smoking: During Pregnancy		623	21.4	577	19.7	1,636	19.1	1,620	24.2	2,020	17.5
...Quit Smoking During Pregnancy		108	17.3	112	19.4	322	19.7	274	16.9	417	20.6
Mat. Weight: Underweight (BMI < 18.5)		103	3.6	93	3.2	321	3.8	305	4.6	540	4.7
Mat. Weight: Obese (BMI >= 30)		885	30.7	903	30.9	2,345	27.5	2,008	30.0	3,084	26.9
Mat. Sing. Wt. Gain: Low (< 15 lbs)		387	15.3	412	15.7	1,060	14.1	876	15.2	1,349	13.2
Mat. Sing. Wt. Gain: High (> 45 lbs)		461	18.2	496	18.9	1,533	20.3	1,249	21.6	2,192	21.5
Mother's Education: Under 12 Yrs.		530	18.1	400	13.6	1,148	13.3	1,141	16.9	1,966	17.0
Marital Status: Out-of-Wedlock		1,091	37.1	1,119	37.9	3,116	36.1	3,111	46.1	4,424	38.1
Live Birth Order: 4 or More		462	15.8	419	14.2	1,218	14.1	913	13.5	1,732	15.0
Birth Spacing: Less than 18 Months		202	11.0	217	12.2	649	12.4	572	14.1	906	13.0
Prenatal Care: 1st Trimester		2,195	76.6	2,224	77.1	6,222	74.0	4,570	70.0	7,473	69.0
Prenatal Care: 2nd Trimester		514	17.9	488	16.9	1,670	19.9	1,567	24.0	2,509	23.2
Prenatal Care: 3rd Trimester		140	4.9	148	5.1	441	5.2	318	4.9	646	6.0
Prenatal Care: None		17	0.6	26	0.9	75	0.9	73	1.1	197	1.8
Prenatal Care: Inadequate		593	20.8	472	16.4	1,532	18.6	1,296	20.2	2,423	23.5
Maternal Utilization: Medicaid		1,088	37.3	1,112	37.9	3,016	35.1	3,851	57.4	5,266	45.8
Maternal Utilization: WIC		1,310	45.3	1,179	40.4	3,383	39.8	3,950	59.2	5,227	45.9
Maternal Utilization: Food Stamps		720	27.6	730	26.0	2,160	25.9	2,541	40.1	3,052	28.0
Mother's Age: At Delivery	Under 15	3	0.1	2	0.1	1	0.0	4	0.1	5	0.0
	15-17	49	1.7	41	1.4	138	1.6	149	2.2	202	1.7
	18-19	147	5.0	139	4.7	387	4.5	456	6.8	695	6.0
	20-24	843	28.7	851	28.8	2,097	24.3	2,236	33.1	3,283	28.3
	25-29	984	33.5	976	33.1	2,869	33.3	2,058	30.5	3,769	32.5
	30-34	600	20.4	670	22.7	2,112	24.5	1,285	19.0	2,448	21.1
	35-39	262	8.9	224	7.6	871	10.1	469	7.0	987	8.5
	40 and over	48	1.6	48	1.6	151	1.8	91	1.3	206	1.8

Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2016

		<u>St. Louis Region</u>		<u>Kansas City Region</u>		<u>Metro</u>		<u>Non-Metro</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		25,801	100.0	15,996	100.0	56,657	100.0	18,007	100.0
Birth Weight: Under 2500 Grams		2,467	9.6	1,351	8.5	4,979	8.8	1,520	8.5
Birth Weight: Above 4499 Grams		274	1.1	184	1.2	654	1.2	234	1.3
Gestational Age: Less than 37 Weeks		2,860	11.1	1,547	9.7	5,766	10.2	1,829	10.2
APGAR (5 Minutes): Less than 8		1,377	5.4	751	4.7	2,790	5.0	1,228	6.9
Infant Care: NICU Admission		2,060	8.0	1,691	10.6	5,036	8.9	1,148	6.4
Infant Care: Transfer to Other Facility		411	1.6	146	0.9	687	1.2	480	2.7
Place of Birth: At-Home Delivery		145	0.6	194	1.2	639	1.1	540	3.0
Method of Delivery: Cesarean		8,566	33.2	4,256	26.6	17,125	30.2	5,390	30.0
Infant Care: Breastfed After Delivery		19,689	78.2	12,679	82.1	44,354	80.6	12,972	74.1
Maternal Smoking: During Pregnancy		2,840	11.1	1,974	12.4	7,191	12.8	4,099	22.9
...Quit Smoking During Pregnancy		703	24.8	469	23.8	1,679	23.3	726	17.7
Mat. Weight: Underweight (BMI < 18.5)		900	3.5	623	4.0	2,115	3.8	770	4.3
Mat. Weight: Obese (BMI >= 30)		6,372	25.0	4,316	27.5	14,682	26.3	5,231	29.4
Mat. Sing. Wt. Gain: Low (< 15 lbs)		2,450	11.2	1,876	13.7	6,069	12.5	2,341	15.0
Mat. Sing. Wt. Gain: High (> 45 lbs)		4,534	20.7	2,897	21.1	10,184	20.9	3,178	20.4
Mother's Education: Under 12 Yrs.		2,211	8.6	1,968	12.4	6,262	11.1	3,102	17.3
Marital Status: Out-of-Wedlock		10,079	39.1	6,810	42.6	22,478	39.7	7,272	40.4
Live Birth Order: 4 or More		2,888	11.2	2,142	13.5	7,042	12.5	2,732	15.2
Birth Spacing: Less than 18 Months		1,595	10.9	1,019	11.1	3,686	11.3	1,474	13.3
Prenatal Care: 1st Trimester		18,251	77.7	10,814	70.7	39,278	74.3	12,471	71.5
Prenatal Care: 2nd Trimester		4,189	17.8	3,401	22.2	10,525	19.9	3,813	21.9
Prenatal Care: 3rd Trimester		800	3.4	823	5.4	2,352	4.4	964	5.5
Prenatal Care: None		255	1.1	263	1.7	721	1.4	185	1.1
Prenatal Care: Inadequate		3,695	15.9	3,202	21.3	9,599	18.6	3,614	21.1
Maternal Utilization: Medicaid		8,524	33.5	5,958	38.0	20,355	36.4	8,460	47.4
Maternal Utilization: WIC		7,451	29.6	5,610	35.7	18,850	34.0	9,260	52.1
Maternal Utilization: Food Stamps		6,181	24.9	3,626	27.4	13,509	25.9	5,501	32.7
Mother's Age: At Delivery	Under 15	16	0.1	4	0.0	26	0.0	9	0.1
	15-17	280	1.1	242	1.5	761	1.3	340	1.9
	18-19	871	3.4	705	4.4	2,354	4.2	1,046	5.8
	20-24	4,734	18.4	3,538	22.1	12,037	21.3	5,545	30.8
	25-29	7,683	29.8	5,020	31.4	17,587	31.1	5,772	32.1
	30-34	8,128	31.5	4,297	26.9	15,892	28.1	3,648	20.3
	35-39	3,483	13.5	1,824	11.4	6,735	11.9	1,385	7.7
	40 and over	596	2.3	361	2.3	1,246	2.2	255	1.4

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Adair</u>		<u>Andrew</u>		<u>Atchison</u>		<u>Audrain</u>		<u>Barry</u>		<u>Barton</u>		<u>Bates</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		272	100.0	183	100.0	53	100.0	358	100.0	419	100.0	128	100.0	170	100.0
Birth Weight: Under 2500 Grams		22	8.1	17	9.3	5	9.4	31	8.7	33	7.9	13	10.2	11	6.5
Birth Weight: Above 4499 Grams		5	1.8	1	0.5	1	1.9	2	0.6	2	0.5	1	0.8	1	0.6
Gest. Age: Less than 37 Weeks		35	12.9	22	12.0	5	9.4	34	9.6	40	9.6	15	11.7	17	10.0
APGAR (5 Min.): Less than 8		52	19.1	2	1.1	1	1.9	15	4.2	25	6.0	4	3.1	12	7.1
Infant Care: NICU Admission		21	7.7	20	10.9	3	5.7	27	7.5	26	6.2	11	8.6	9	5.3
Infant Care: Transfer		14	5.1	6	3.3	1	1.9	8	2.2	3	0.7	3	2.3	2	1.2
Place of Birth: At-Home Delivery		22	8.1	3	1.6	1	1.9	37	10.3	7	1.7	3	2.3	10	5.9
Method of Delivery: Cesarean		85	31.3	56	30.6	20	37.7	124	34.6	110	26.3	35	27.3	40	23.8
Infant Care: Breastfed		218	83.2	149	82.3	45	84.9	235	67.9	314	76.4	105	83.3	124	76.5
Mat. Smoking: During Preg.		36	13.3	26	14.2	14	26.4	106	29.9	100	23.9	21	16.4	44	25.9
...Quit Smoking During Preg.		9	25.0	4	15.4	0	0.0	16	15.1	18	18.0	4	19.0	8	18.2
Mat. Wt.: Underweight		8	3.0	3	1.6	4	7.5	9	2.6	25	6.0	4	3.1	8	4.8
Mat. Wt.: Obese		77	28.8	58	31.7	19	35.8	103	29.8	99	23.8	39	30.5	56	33.7
Mat. Sing. Wt. Gain: Low		33	14.7	20	12.7	10	21.7	53	17.4	49	13.3	22	19.8	19	12.8
Mat. Sing. Wt. Gain: High		46	20.5	21	13.4	12	26.1	48	15.7	78	21.2	11	9.9	33	22.1
Mother's Education: Under 12 Yrs.		46	17.0	5	2.7	4	7.7	90	25.2	88	21.0	24	18.8	23	13.5
Marital Status: Out-of-Wedlock		81	29.8	51	27.9	17	32.1	176	49.2	168	40.1	51	39.8	68	40.0
Live Birth Order: 4 or More		45	16.5	19	10.4	12	22.6	71	19.8	81	19.3	21	16.4	31	18.2
Birth Spacing: Less than 18 Mos.		17	10.4	13	10.9	2	5.9	32	14.0	35	13.4	7	9.5	13	12.3
Prenatal Care: 1st Trimester		210	78.1	155	84.7	42	82.4	230	66.9	275	68.6	87	71.3	107	64.1
Prenatal Care: 2nd Trimester		38	14.1	23	12.6	6	11.8	82	23.8	100	24.9	27	22.1	52	31.1
Prenatal Care: 3rd Trimester		19	7.1	4	2.2	2	3.9	30	8.7	21	5.2	8	6.6	6	3.6
Prenatal Care: None		2	0.7	1	0.5	1	2.0	2	0.6	5	1.2	0	0.0	2	1.2
Prenatal Care: Inadequate		53	19.9	18	10.0	9	17.6	93	27.7	95	24.3	26	21.7	43	26.5
Maternal Utilization: Medicaid		86	31.7	46	25.3	21	40.4	144	40.7	240	57.4	56	45.2	78	46.4
Maternal Utilization: WIC		127	47.2	46	25.4	20	37.7	178	50.6	238	57.1	57	45.2	80	47.1
Maternal Utilization: FSP		90	35.4	23	12.9	11	28.2	118	33.8	139	37.4	27	26.5	39	30.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0
	15-17	3	1.1	1	0.5	0	0.0	3	0.8	6	1.4	1	0.8	3	1.8
	18-19	10	3.7	7	3.8	2	3.8	22	6.1	33	7.9	5	3.9	11	6.5
	20-24	74	27.2	45	24.6	10	18.9	104	29.1	124	29.6	49	38.3	52	30.6
	25-29	90	33.1	65	35.5	22	41.5	114	31.8	147	35.1	39	30.5	58	34.1
	30-34	54	19.9	42	23.0	16	30.2	83	23.2	72	17.2	26	20.3	29	17.1
	35-39	33	12.1	21	11.5	2	3.8	29	8.1	29	6.9	8	6.3	13	7.6
	40 and over	8	2.9	2	1.1	1	1.9	3	0.8	7	1.7	0	0.0	4	2.4

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Benton</u>		<u>Bollinger</u>		<u>Boone</u>		<u>Buchanan</u>		<u>Butler</u>		<u>Caldwell</u>		<u>Callaway</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		158	100.0	114	100.0	2,092	100.0	1,154	100.0	576	100.0	95	100.0	464	100.0
Birth Weight: Under 2500 Grams		10	6.4	5	4.4	157	7.5	105	9.1	60	10.4	9	9.5	36	7.8
Birth Weight: Above 4499 Grams		2	1.3	1	0.9	26	1.2	9	0.8	6	1.0	0	0.0	7	1.5
Gest. Age: Less than 37 Weeks		11	7.0	8	7.0	181	8.7	101	8.8	87	15.1	6	6.3	46	9.9
APGAR (5 Min.): Less than 8		11	7.0	3	2.6	96	4.6	26	2.3	21	3.6	2	2.2	25	5.4
Infant Care: NICU Admission		10	6.3	6	5.3	225	10.8	77	6.7	26	4.5	7	7.4	41	8.8
Infant Care: Transfer		3	1.9	1	0.9	11	0.5	20	1.7	23	4.0	1	1.1	5	1.1
Place of Birth: At-Home Delivery		4	2.5	2	1.8	29	1.4	1	0.1	2	0.3	6	6.3	2	0.4
Method of Delivery: Cesarean		54	34.2	34	29.8	699	33.4	335	29.0	165	28.6	29	30.5	143	30.8
Infant Care: Breastfed		108	74.0	77	70.6	1,790	88.6	805	70.7	331	57.9	73	78.5	379	84.2
Mat. Smoking: During Preg.		29	18.5	34	30.1	225	10.9	279	24.3	146	25.4	20	21.1	103	22.4
...Quit Smoking During Preg.		8	27.6	4	11.8	60	26.7	56	20.1	27	18.5	5	25.0	17	16.5
Mat. Wt.: Underweight		13	8.2	6	5.3	67	3.3	36	3.1	25	4.4	4	4.3	20	4.4
Mat. Wt.: Obese		32	20.3	33	28.9	475	23.2	369	32.1	182	31.8	26	28.3	141	30.9
Mat. Sing. Wt. Gain: Low		18	12.5	13	12.5	207	11.3	195	18.9	81	16.8	16	18.6	66	16.4
Mat. Sing. Wt. Gain: High		24	16.7	23	22.1	354	19.3	184	17.8	125	25.9	10	11.6	90	22.3
Mother's Education: Under 12 Yrs.		25	15.9	17	14.9	153	7.3	213	18.5	107	18.6	13	13.7	61	13.2
Marital Status: Out-of-Wedlock		63	39.9	39	34.2	657	31.4	617	53.5	290	50.3	33	34.7	183	39.4
Live Birth Order: 4 or More		19	12.2	17	14.9	218	10.4	167	14.5	58	10.1	17	17.9	56	12.1
Birth Spacing: Less than 18 Mos.		11	12.0	10	14.5	113	9.4	84	12.3	43	12.8	6	9.1	38	13.2
Prenatal Care: 1st Trimester		110	70.5	75	67.6	1,685	82.2	835	74.1	404	71.0	71	78.0	347	75.9
Prenatal Care: 2nd Trimester		32	20.5	34	30.6	297	14.5	208	18.5	134	23.6	20	22.0	86	18.8
Prenatal Care: 3rd Trimester		11	7.1	2	1.8	60	2.9	71	6.3	29	5.1	0	0.0	18	3.9
Prenatal Care: None		3	1.9	0	0.0	8	0.4	13	1.2	2	0.4	0	0.0	6	1.3
Prenatal Care: Inadequate		34	21.9	13	11.9	282	14.1	208	18.4	118	20.8	12	13.2	68	15.1
Maternal Utilization: Medicaid		73	47.1	63	55.3	518	24.8	593	51.6	351	61.0	38	40.4	144	31.2
Maternal Utilization: WIC		74	46.8	73	64.0	528	26.0	529	46.4	374	65.3	39	41.5	163	35.8
Maternal Utilization: FSP		35	23.0	35	31.3	404	20.2	397	36.2	230	43.2	27	28.7	113	25.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0
	15-17	6	3.8	2	1.8	16	0.8	23	2.0	11	1.9	1	1.1	11	2.4
	18-19	10	6.3	9	7.9	63	3.0	85	7.4	47	8.2	6	6.3	24	5.2
	20-24	45	28.5	33	28.9	358	17.1	346	30.0	186	32.3	30	31.6	119	25.6
	25-29	53	33.5	36	31.6	669	32.0	367	31.8	172	29.9	32	33.7	155	33.4
	30-34	30	19.0	20	17.5	661	31.6	236	20.5	114	19.8	17	17.9	102	22.0
	35-39	14	8.9	11	9.6	276	13.2	78	6.8	38	6.6	7	7.4	43	9.3
	40 and over	0	0.0	3	2.6	49	2.3	17	1.5	8	1.4	2	2.1	10	2.2

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Camden</u>		<u>Cape Girardeau</u>		<u>Carroll</u>		<u>Carter</u>		<u>Cass</u>		<u>Cedar</u>		<u>Chariton</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		381	100.0	896	100.0	109	100.0	82	100.0	1,225	100.0	196	100.0	82	100.0
Birth Weight: Under 2500 Grams		15	3.9	67	7.5	11	10.1	3	3.7	77	6.3	13	6.6	5	6.1
Birth Weight: Above 4499 Grams		3	0.8	17	1.9	0	0.0	0	0.0	14	1.1	6	3.1	1	1.2
Gest. Age: Less than 37 Weeks		22	5.8	78	8.7	13	11.9	10	12.5	104	8.5	15	7.7	9	11.0
APGAR (5 Min.): Less than 8		21	5.6	41	4.6	7	6.4	2	2.4	65	5.3	13	6.7	4	4.9
Infant Care: NICU Admission		14	3.7	62	6.9	12	11.0	1	1.2	117	9.6	7	3.6	7	8.5
Infant Care: Transfer		8	2.1	12	1.3	2	1.8	5	6.1	13	1.1	8	4.1	1	1.2
Place of Birth: At-Home Delivery		6	1.6	7	0.8	5	4.6	2	2.4	20	1.6	19	9.7	4	4.9
Method of Delivery: Cesarean		88	23.2	245	27.3	36	33.0	17	20.7	304	24.8	51	26.3	20	24.7
Infant Care: Breastfed		295	78.5	622	72.3	82	79.6	55	67.1	1,003	84.8	159	82.8	68	86.1
Mat. Smoking: During Preg.		111	29.4	134	15.0	22	20.4	22	26.8	167	13.7	39	20.0	13	15.9
...Quit Smoking During Preg.		20	18.0	29	21.6	3	13.6	3	13.6	35	21.0	5	12.8	5	38.5
Mat. Wt.: Underweight		17	4.5	27	3.1	2	1.9	6	7.3	63	5.2	6	3.1	5	6.1
Mat. Wt.: Obese		101	26.6	232	26.3	36	34.3	27	32.9	348	28.8	60	30.8	25	30.5
Mat. Sing. Wt. Gain: Low		41	11.7	88	11.2	18	20.0	7	10.4	127	11.9	20	11.5	11	15.3
Mat. Sing. Wt. Gain: High		75	21.4	167	21.3	15	16.7	11	16.4	228	21.4	27	15.5	16	22.2
Mother's Education: Under 12 Yrs.		45	11.8	75	8.4	18	16.5	18	22.0	124	10.2	38	19.5	11	13.4
Marital Status: Out-of-Wedlock		176	46.2	354	39.5	41	37.6	31	37.8	437	35.7	69	35.2	25	30.5
Live Birth Order: 4 or More		54	14.2	101	11.3	12	11.0	6	7.3	168	13.8	32	16.3	7	8.5
Birth Spacing: Less than 18 Mos.		35	14.0	47	9.3	4	6.2	9	16.4	84	11.5	19	14.1	2	3.8
Prenatal Care: 1st Trimester		275	72.6	656	75.3	79	74.5	53	65.4	917	76.5	141	75.0	62	77.5
Prenatal Care: 2nd Trimester		85	22.4	179	20.6	19	17.9	25	30.9	220	18.3	34	18.1	16	20.0
Prenatal Care: 3rd Trimester		18	4.7	30	3.4	8	7.5	2	2.5	48	4.0	7	3.7	2	2.5
Prenatal Care: None		1	0.3	6	0.7	0	0.0	1	1.2	14	1.2	6	3.2	0	0.0
Prenatal Care: Inadequate		57	15.2	129	15.0	17	16.0	19	23.5	190	16.2	42	22.8	9	11.5
Maternal Utilization: Medicaid		215	56.7	361	40.3	49	45.8	41	50.0	394	32.9	85	45.0	27	32.9
Maternal Utilization: WIC		181	47.5	319	35.9	50	46.3	53	66.3	354	29.4	88	46.3	30	36.6
Maternal Utilization: FSP		116	31.4	226	25.8	32	29.9	26	33.8	203	24.3	58	31.4	18	22.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	8	2.1	16	1.8	0	0.0	3	3.7	21	1.7	2	1.0	1	1.2
	18-19	16	4.2	36	4.0	5	4.6	6	7.3	44	3.6	14	7.2	5	6.1
	20-24	98	25.7	219	24.4	42	38.5	24	29.3	293	23.9	59	30.3	27	32.9
	25-29	127	33.3	288	32.1	27	24.8	27	32.9	380	31.0	60	30.8	25	30.5
	30-34	88	23.1	228	25.4	19	17.4	16	19.5	331	27.0	45	23.1	17	20.7
	35-39	36	9.4	90	10.0	15	13.8	6	7.3	130	10.6	13	6.7	7	8.5
	40 and over	8	2.1	19	2.1	1	0.9	0	0.0	26	2.1	2	1.0	0	0.0

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Christian</u>		<u>Clark</u>		<u>Clay</u>		<u>Clinton</u>		<u>Cole</u>		<u>Cooper</u>		<u>Crawford</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		999	100.0	75	100.0	2,981	100.0	255	100.0	939	100.0	192	100.0	265	100.0
Birth Weight: Under 2500 Grams		67	6.7	8	10.7	225	7.6	23	9.0	85	9.1	15	7.8	15	5.7
Birth Weight: Above 4499 Grams		12	1.2	1	1.3	31	1.0	5	2.0	14	1.5	2	1.0	1	0.4
Gest. Age: Less than 37 Weeks		81	8.2	11	14.7	269	9.0	18	7.1	98	10.4	21	10.9	25	9.5
APGAR (5 Min.): Less than 8		43	4.3	5	6.7	147	4.9	19	7.5	61	6.5	14	7.3	19	7.2
Infant Care: NICU Admission		69	6.9	4	5.3	258	8.7	19	7.5	82	8.7	19	9.9	12	4.5
Infant Care: Transfer		4	0.4	1	1.3	32	1.1	5	2.0	23	2.4	2	1.0	7	2.6
Place of Birth: At-Home Delivery		7	0.7	2	2.7	25	0.8	2	0.8	5	0.5	16	8.3	1	0.4
Method of Delivery: Cesarean		259	26.0	20	26.7	789	26.5	74	29.0	283	30.1	58	30.2	93	35.9
Infant Care: Breastfed		846	88.3	44	63.8	2,539	87.5	183	74.7	756	83.1	157	83.1	196	74.5
Mat. Smoking: During Preg.		112	11.3	20	26.7	315	10.6	60	23.6	149	15.9	32	16.7	77	29.4
...Quit Smoking During Preg.		25	22.3	0	0.0	79	25.1	11	18.3	30	20.1	14	43.8	8	10.4
Mat. Wt.: Underweight		49	5.0	4	5.3	123	4.2	7	2.8	33	3.5	7	3.7	14	5.3
Mat. Wt.: Obese		236	23.9	18	24.0	735	24.9	92	36.4	253	27.1	49	25.7	93	35.2
Mat. Sing. Wt. Gain: Low		87	9.8	9	14.1	305	11.6	43	19.0	118	14.3	20	12.0	45	19.6
Mat. Sing. Wt. Gain: High		189	21.4	18	28.1	570	21.7	50	22.1	196	23.8	37	22.2	47	20.4
Mother's Education: Under 12 Yrs.		69	6.9	11	14.7	218	7.3	26	10.2	90	9.6	35	18.2	51	19.3
Marital Status: Out-of-Wedlock		285	28.5	28	37.3	944	31.7	106	41.6	364	38.8	72	37.5	137	51.7
Live Birth Order: 4 or More		114	11.4	4	5.3	289	9.7	42	16.5	137	14.6	27	14.1	35	13.3
Birth Spacing: Less than 18 Mos.		66	10.7	8	18.2	157	9.4	13	8.5	71	13.0	15	11.7	24	15.7
Prenatal Care: 1st Trimester		669	74.2	52	70.3	2,148	74.5	188	75.2	688	75.0	152	79.2	200	76.6
Prenatal Care: 2nd Trimester		181	20.1	17	23.0	573	19.9	51	20.4	179	19.5	33	17.2	52	19.9
Prenatal Care: 3rd Trimester		40	4.4	4	5.4	125	4.3	7	2.8	41	4.5	7	3.6	8	3.1
Prenatal Care: None		12	1.3	1	1.4	38	1.3	4	1.6	9	1.0	0	0.0	1	0.4
Prenatal Care: Inadequate		169	20.8	16	21.6	476	16.7	38	15.6	148	16.6	38	20.3	40	15.4
Maternal Utilization: Medicaid		364	36.8	34	45.3	725	24.5	112	44.1	283	30.2	53	27.6	128	49.2
Maternal Utilization: WIC		345	35.1	30	40.5	696	23.7	99	39.0	319	34.5	61	32.4	150	57.5
Maternal Utilization: FSP		188	19.5	9	23.7	398	15.1	53	22.0	227	24.8	39	20.9	104	40.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	2	0.2	0	0.0	24	0.8	0	0.0	13	1.4	3	1.6	6	2.3
	18-19	40	4.0	3	4.0	102	3.4	15	5.9	39	4.2	2	1.0	11	4.2
	20-24	235	23.5	33	44.0	541	18.2	71	27.8	198	21.1	46	24.0	91	34.3
	25-29	353	35.4	28	37.3	973	32.7	84	32.9	316	33.7	71	37.0	88	33.2
	30-34	253	25.4	8	10.7	912	30.6	55	21.6	238	25.3	50	26.0	48	18.1
	35-39	98	9.8	3	4.0	359	12.0	25	9.8	114	12.1	17	8.9	18	6.8
	40 and over	17	1.7	0	0.0	68	2.3	5	2.0	21	2.2	3	1.6	3	1.1

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Dade</u>		<u>Dallas</u>		<u>Daviess</u>		<u>DeKalb</u>		<u>Dent</u>		<u>Douglas</u>		<u>Dunklin</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		71	100.0	213	100.0	110	100.0	123	100.0	166	100.0	154	100.0	424	100.0
Birth Weight: Under 2500 Grams		4	5.7	13	6.1	8	7.3	6	4.9	19	11.5	11	7.1	64	15.1
Birth Weight: Above 4499 Grams		1	1.4	3	1.4	4	3.7	2	1.6	1	0.6	3	1.9	4	0.9
Gest. Age: Less than 37 Weeks		8	11.3	21	9.9	4	3.7	10	8.1	21	12.7	9	5.8	66	15.6
APGAR (5 Min.): Less than 8		2	2.8	8	3.8	9	8.2	3	2.4	22	13.5	10	6.5	27	6.4
Infant Care: NICU Admission		6	8.5	19	8.9	6	5.5	8	6.5	9	5.4	9	5.8	23	5.4
Infant Care: Transfer		1	1.4	2	0.9	3	2.7	1	0.8	2	1.2	0	0.0	21	5.0
Place of Birth: At-Home Delivery		0	0.0	21	9.9	15	13.6	1	0.8	1	0.6	5	3.2	0	0.0
Method of Delivery: Cesarean		25	35.2	59	27.7	28	25.9	42	34.1	52	31.5	32	20.8	132	31.1
Infant Care: Breastfed		58	86.6	175	85.8	78	74.3	93	76.9	149	90.9	123	84.8	180	42.8
Mat. Smoking: During Preg.		18	25.4	51	24.1	23	21.7	26	21.1	59	35.8	35	22.7	129	30.9
...Quit Smoking During Preg.		3	16.7	10	19.6	3	13.0	4	15.4	9	15.3	8	22.9	12	9.3
Mat. Wt.: Underweight		2	2.9	11	5.2	1	1.0	4	3.3	5	3.0	9	6.0	24	5.7
Mat. Wt.: Obese		21	30.4	48	22.6	27	27.6	37	30.1	58	35.2	38	25.5	136	32.2
Mat. Sing. Wt. Gain: Low		10	16.1	21	11.1	9	9.6	16	15.0	26	18.3	18	12.9	64	18.3
Mat. Sing. Wt. Gain: High		15	24.2	42	22.1	18	19.1	19	17.8	31	21.8	32	23.0	70	20.1
Mother's Education: Under 12 Yrs.		10	14.1	61	28.8	37	33.6	13	10.7	36	21.8	22	14.4	120	28.4
Marital Status: Out-of-Wedlock		28	39.4	70	32.9	29	26.4	43	35.0	65	39.2	50	32.5	249	58.7
Live Birth Order: 4 or More		11	15.5	41	19.2	34	30.9	14	11.4	18	10.9	27	17.5	85	20.0
Birth Spacing: Less than 18 Mos.		9	19.6	16	12.4	11	14.5	12	16.0	18	17.8	14	15.4	48	17.5
Prenatal Care: 1st Trimester		49	71.0	135	66.8	64	60.4	100	82.6	108	70.1	103	71.5	277	66.4
Prenatal Care: 2nd Trimester		16	23.2	56	27.7	34	32.1	19	15.7	31	20.1	30	20.8	99	23.7
Prenatal Care: 3rd Trimester		4	5.8	6	3.0	8	7.5	2	1.7	12	7.8	7	4.9	34	8.2
Prenatal Care: None		0	0.0	5	2.5	0	0.0	0	0.0	3	1.9	4	2.8	7	1.7
Prenatal Care: Inadequate		13	21.3	44	23.0	43	40.2	6	5.0	39	25.8	32	25.0	105	25.5
Maternal Utilization: Medicaid		35	49.3	77	36.5	50	45.5	42	34.1	95	57.6	80	53.0	323	76.5
Maternal Utilization: WIC		31	44.3	69	33.3	42	39.6	39	32.0	99	60.0	92	61.3	303	72.5
Maternal Utilization: FSP		15	22.4	45	21.8	27	25.7	26	22.2	61	38.1	62	41.3	234	64.1
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
	15-17	1	1.4	7	3.3	1	0.9	0	0.0	4	2.4	6	3.9	16	3.8
	18-19	3	4.2	12	5.6	4	3.6	5	4.1	12	7.2	14	9.1	43	10.1
	20-24	29	40.8	66	31.0	36	32.7	34	27.6	49	29.5	45	29.2	146	34.4
	25-29	20	28.2	71	33.3	36	32.7	40	32.5	64	38.6	41	26.6	126	29.7
	30-34	12	16.9	29	13.6	23	20.9	32	26.0	24	14.5	36	23.4	60	14.2
	35-39	4	5.6	23	10.8	6	5.5	10	8.1	11	6.6	10	6.5	31	7.3
	40 and over	2	2.8	5	2.3	4	3.6	2	1.6	2	1.2	2	1.3	1	0.2

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Franklin</u>		<u>Gasconade</u>		<u>Gentry</u>		<u>Greene</u>		<u>Grundy</u>		<u>Harrison</u>		<u>Henry</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		1,249	100.0	158	100.0	87	100.0	3,577	100.0	153	100.0	111	100.0	259	100.0
Birth Weight: Under 2500 Grams		116	9.3	16	10.1	3	3.4	305	8.5	11	7.2	10	9.0	32	12.4
Birth Weight: Above 4499 Grams		21	1.7	3	1.9	0	0.0	55	1.5	4	2.6	0	0.0	4	1.6
Gest. Age: Less than 37 Weeks		126	10.1	17	10.8	2	2.3	346	9.7	13	8.5	9	8.1	28	10.9
APGAR (5 Min.): Less than 8		85	6.8	21	13.3	1	1.3	180	5.1	16	10.5	6	5.5	24	9.3
Infant Care: NICU Admission		77	6.2	14	8.9	3	3.4	315	8.8	5	3.3	7	6.3	23	8.9
Infant Care: Transfer		23	1.8	4	2.5	0	0.0	16	0.4	5	3.3	4	3.6	6	2.3
Place of Birth: At-Home Delivery		3	0.2	0	0.0	10	11.5	44	1.2	15	9.8	3	2.7	7	2.7
Method of Delivery: Cesarean		427	34.2	61	38.6	21	24.1	992	27.8	35	23.6	41	36.9	84	32.6
Infant Care: Breastfed		932	76.7	120	76.4	66	75.9	2,974	86.4	109	76.8	71	67.0	175	71.4
Mat. Smoking: During Preg.		249	20.0	34	21.7	20	23.0	578	16.4	34	22.5	32	29.1	66	25.7
...Quit Smoking During Preg.		49	19.7	5	14.7	4	20.0	132	22.8	5	14.7	9	28.1	9	13.6
Mat. Wt.: Underweight		45	3.6	6	3.8	2	2.3	171	4.9	3	2.2	5	4.6	10	3.9
Mat. Wt.: Obese		370	30.0	57	36.3	32	36.8	919	26.3	48	35.0	35	32.4	72	28.0
Mat. Sing. Wt. Gain: Low		133	12.2	21	15.2	11	13.1	393	12.7	19	15.8	17	17.3	37	16.4
Mat. Sing. Wt. Gain: High		229	21.0	27	19.6	15	17.9	777	25.1	21	17.5	26	26.5	46	20.4
Mother's Education: Under 12 Yrs.		144	11.5	19	12.0	22	25.3	402	11.3	44	28.8	27	24.5	40	15.5
Marital Status: Out-of-Wedlock		454	36.3	57	36.1	25	28.7	1,383	38.7	53	34.6	44	39.6	115	44.4
Live Birth Order: 4 or More		154	12.3	18	11.4	14	16.3	434	12.2	34	22.2	24	21.8	33	12.9
Birth Spacing: Less than 18 Mos.		90	11.5	11	11.8	10	15.6	236	11.9	12	12.2	7	10.9	19	13.4
Prenatal Care: 1st Trimester		995	82.1	123	79.4	61	73.5	2,195	68.7	115	75.7	75	68.8	174	69.3
Prenatal Care: 2nd Trimester		167	13.8	28	18.1	15	18.1	731	22.9	28	18.4	20	18.3	53	21.1
Prenatal Care: 3rd Trimester		44	3.6	3	1.9	5	6.0	200	6.3	9	5.9	14	12.8	16	6.4
Prenatal Care: None		6	0.5	1	0.6	2	2.4	71	2.2	0	0.0	0	0.0	8	3.2
Prenatal Care: Inadequate		152	12.6	18	11.8	19	23.2	716	24.7	36	23.7	20	18.7	56	22.6
Maternal Utilization: Medicaid		376	30.5	45	28.5	30	34.5	1,504	42.4	71	47.7	58	52.3	118	47.8
Maternal Utilization: WIC		384	31.0	55	34.8	34	39.1	1,559	44.8	69	46.0	54	49.5	121	47.5
Maternal Utilization: FSP		287	23.5	27	17.4	17	19.5	922	27.3	40	27.8	39	37.9	77	31.8
Mother's Age: At Delivery	Under 15	2	0.2	0	0.0	0	0.0	2	0.1	1	0.7	0	0.0	0	0.0
	15-17	11	0.9	3	1.9	2	2.3	57	1.6	1	0.7	3	2.7	6	2.3
	18-19	55	4.4	7	4.4	3	3.4	163	4.6	10	6.5	7	6.3	15	5.8
	20-24	315	25.2	33	20.9	24	27.6	898	25.1	48	31.4	34	30.6	74	28.8
	25-29	389	31.1	53	33.5	36	41.4	1,163	32.5	51	33.3	27	24.3	84	32.7
	30-34	336	26.9	42	26.6	17	19.5	882	24.7	30	19.6	30	27.0	59	23.0
	35-39	118	9.4	15	9.5	3	3.4	346	9.7	9	5.9	8	7.2	17	6.6
	40 and over	23	1.8	5	3.2	2	2.3	64	1.8	3	2.0	2	1.8	2	0.8

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Hickory</u>		<u>Holt</u>		<u>Howard</u>		<u>Howell</u>		<u>Iron</u>		<u>Jackson</u>		<u>Jasper</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		81	100.0	56	100.0	116	100.0	485	100.0	103	100.0	9,414	100.0	1,668	100.0
Birth Weight: Under 2500 Grams		17	21.0	4	7.1	8	6.9	31	6.4	9	8.8	887	9.4	108	6.5
Birth Weight: Above 4499 Grams		2	2.5	0	0.0	1	0.9	5	1.0	1	1.0	110	1.2	20	1.2
Gest. Age: Less than 37 Weeks		16	20.3	4	7.1	9	7.8	28	5.8	14	13.6	989	10.5	142	8.5
APGAR (5 Min.): Less than 8		2	2.6	3	5.4	4	3.5	20	4.1	8	7.8	437	4.7	63	3.8
Infant Care: NICU Admission		13	16.0	2	3.6	9	7.8	24	4.9	5	4.9	1,132	12.0	159	9.5
Infant Care: Transfer		0	0.0	0	0.0	0	0.0	19	3.9	7	6.8	77	0.8	4	0.2
Place of Birth: At-Home Delivery		5	6.2	3	5.4	1	0.9	10	2.1	0	0.0	101	1.1	11	0.7
Method of Delivery: Cesarean		27	34.6	14	25.0	38	32.8	118	24.3	40	38.8	2,539	27.0	498	29.9
Infant Care: Breastfed		60	80.0	40	74.1	91	80.5	381	79.2	67	66.3	7,207	79.6	1,347	81.1
Mat. Smoking: During Preg.		22	27.5	15	26.8	25	21.6	128	26.4	25	24.8	1,142	12.2	292	17.5
...Quit Smoking During Preg.		4	18.2	3	20.0	4	16.0	23	18.0	5	20.0	283	24.8	66	22.6
Mat. Wt.: Underweight		3	3.8	1	1.8	1	0.9	16	3.3	5	5.0	349	3.8	77	4.6
Mat. Wt.: Obese		13	16.3	23	41.1	29	25.0	136	28.2	30	29.7	2,617	28.5	485	29.2
Mat. Sing. Wt. Gain: Low		7	11.1	13	25.0	16	15.0	58	12.9	13	16.3	1,174	14.8	213	14.1
Mat. Sing. Wt. Gain: High		15	23.8	12	23.1	21	19.6	103	22.9	17	21.3	1,673	21.0	293	19.4
Mother's Education: Under 12 Yrs.		19	23.5	1	1.8	14	12.2	86	17.7	17	16.5	1,438	15.4	301	18.1
Marital Status: Out-of-Wedlock		33	40.7	15	26.8	45	38.8	210	43.3	46	44.7	4,588	48.7	721	43.2
Live Birth Order: 4 or More		17	21.0	11	19.6	9	7.8	58	12.0	15	14.6	1,396	15.0	214	12.8
Birth Spacing: Less than 18 Mos.		6	11.5	4	10.3	12	17.4	50	16.5	5	8.1	644	11.9	125	12.1
Prenatal Care: 1st Trimester		60	81.1	51	91.1	93	80.9	336	71.5	65	67.7	6,057	67.9	1,180	72.2
Prenatal Care: 2nd Trimester		6	8.1	5	8.9	20	17.4	111	23.6	22	22.9	2,141	24.0	365	22.3
Prenatal Care: 3rd Trimester		8	10.8	0	0.0	2	1.7	19	4.0	9	9.4	545	6.1	75	4.6
Prenatal Care: None		0	0.0	0	0.0	0	0.0	4	0.9	0	0.0	178	2.0	14	0.9
Prenatal Care: Inadequate		13	17.6	2	3.6	16	14.4	83	17.8	23	24.5	2,134	24.5	287	17.7
Maternal Utilization: Medicaid		43	53.8	19	33.9	39	33.6	312	64.3	69	68.3	4,111	44.8	853	51.3
Maternal Utilization: WIC		46	57.5	21	37.5	47	41.2	312	64.6	70	68.0	3,822	41.5	693	42.2
Maternal Utilization: FSP		27	35.5	11	21.2	31	27.4	198	42.4	43	44.8	2,606	33.9	489	30.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	3	0.0	2	0.1
	15-17	0	0.0	0	0.0	1	0.9	11	2.3	1	1.0	171	1.8	37	2.2
	18-19	7	8.6	0	0.0	4	3.4	40	8.2	4	3.9	464	4.9	114	6.8
	20-24	16	19.8	15	26.8	32	27.6	174	35.9	44	42.7	2,184	23.2	514	30.8
	25-29	31	38.3	22	39.3	39	33.6	146	30.1	29	28.2	2,896	30.8	548	32.9
	30-34	18	22.2	14	25.0	31	26.7	75	15.5	16	15.5	2,430	25.8	308	18.5
	35-39	8	9.9	4	7.1	7	6.0	30	6.2	9	8.7	1,047	11.1	116	7.0
	40 and over	1	1.2	1	1.8	2	1.7	8	1.6	0	0.0	215	2.3	29	1.7

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Jefferson</u>		<u>Johnson</u>		<u>Knox</u>		<u>Laclede</u>		<u>Lafayette</u>		<u>Lawrence</u>		<u>Lewis</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		2,637	100.0	701	100.0	48	100.0	515	100.0	362	100.0	526	100.0	113	100.0
Birth Weight: Under 2500 Grams		185	7.0	44	6.3	2	4.2	47	9.1	28	7.8	39	7.4	11	9.7
Birth Weight: Above 4499 Grams		30	1.1	12	1.7	2	4.2	13	2.5	1	0.3	7	1.3	3	2.7
Gest. Age: Less than 37 Weeks		254	9.6	46	6.6	4	8.3	45	8.8	28	7.8	42	8.0	13	11.5
APGAR (5 Min.): Less than 8		108	4.1	56	8.0	4	8.3	34	6.7	12	3.3	27	5.2	7	6.2
Infant Care: NICU Admission		199	7.5	37	5.3	3	6.3	37	7.2	29	8.0	40	7.6	3	2.7
Infant Care: Transfer		32	1.2	9	1.3	1	2.1	18	3.5	2	0.6	10	1.9	2	1.8
Place of Birth: At-Home Delivery		10	0.4	13	1.9	9	18.8	4	0.8	2	0.6	28	5.3	6	5.3
Method of Delivery: Cesarean		935	35.5	170	24.3	12	25.0	157	30.5	90	24.9	139	26.4	33	29.2
Infant Care: Breastfed		1,897	74.4	567	82.4	40	88.9	365	73.0	275	79.9	400	77.7	93	83.0
Mat. Smoking: During Preg.		454	17.4	82	11.8	4	8.3	129	25.2	77	21.4	89	17.0	21	18.6
...Quit Smoking During Preg.		96	21.1	15	18.3	1	25.0	16	12.4	15	19.5	14	15.7	5	23.8
Mat. Wt.: Underweight		118	4.5	25	3.6	1	2.1	18	3.5	11	3.1	26	5.0	0	0.0
Mat. Wt.: Obese		737	28.1	189	27.2	9	18.8	160	31.3	111	30.8	134	25.8	40	35.7
Mat. Sing. Wt. Gain: Low		244	10.6	72	11.4	7	15.9	87	19.3	44	14.0	69	14.8	15	15.0
Mat. Sing. Wt. Gain: High		530	23.0	122	19.3	4	9.1	93	20.6	74	23.5	90	19.4	21	21.0
Mother's Education: Under 12 Yrs.		216	8.2	46	6.6	16	33.3	87	16.9	38	10.6	114	21.8	17	15.0
Marital Status: Out-of-Wedlock		1,061	40.2	167	23.8	11	22.9	210	40.8	161	44.5	185	35.2	42	37.2
Live Birth Order: 4 or More		249	9.5	76	10.9	13	27.1	79	15.4	46	12.8	107	20.5	12	10.6
Birth Spacing: Less than 18 Mos.		140	9.8	50	12.2	2	5.9	44	13.7	23	10.6	54	15.9	11	16.4
Prenatal Care: 1st Trimester		1,969	79.7	553	81.1	33	71.7	346	68.8	260	74.1	348	71.3	87	77.7
Prenatal Care: 2nd Trimester		403	16.3	98	14.4	9	19.6	119	23.7	72	20.5	105	21.5	16	14.3
Prenatal Care: 3rd Trimester		67	2.7	25	3.7	4	8.7	33	6.6	14	4.0	26	5.3	8	7.1
Prenatal Care: None		30	1.2	6	0.9	0	0.0	5	1.0	5	1.4	9	1.8	1	0.9
Prenatal Care: Inadequate		299	12.3	91	13.6	16	34.8	108	22.1	57	16.9	113	24.7	24	21.2
Maternal Utilization: Medicaid		759	29.4	142	20.5	14	29.2	261	51.5	150	42.3	234	44.8	48	42.5
Maternal Utilization: WIC		805	31.0	271	39.0	21	43.8	273	53.6	142	39.7	266	51.5	47	41.6
Maternal Utilization: FSP		562	21.9	103	15.3	6	14.0	178	35.3	95	27.5	146	28.8	10	19.6
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0
	15-17	39	1.5	9	1.3	1	2.1	16	3.1	6	1.7	9	1.7	2	1.8
	18-19	105	4.0	17	2.4	1	2.1	34	6.6	18	5.0	31	5.9	7	6.2
	20-24	573	21.7	196	28.0	14	29.2	175	34.0	96	26.5	150	28.5	35	31.0
	25-29	883	33.5	243	34.7	18	37.5	167	32.4	120	33.1	163	31.0	33	29.2
	30-34	725	27.5	174	24.9	9	18.8	80	15.5	86	23.8	116	22.1	26	23.0
	35-39	263	10.0	52	7.4	3	6.3	35	6.8	33	9.1	45	8.6	9	8.0
	40 and over	49	1.9	9	1.3	2	4.2	7	1.4	3	0.8	12	2.3	1	0.9

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Lincoln</u>		<u>Linn</u>		<u>Livingston</u>		<u>Macon</u>		<u>Madison</u>		<u>Maries</u>		<u>Marion</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		744	100.0	125	100.0	163	100.0	160	100.0	150	100.0	72	100.0	348	100.0
Birth Weight: Under 2500 Grams		60	8.1	9	7.3	9	5.5	10	6.3	8	5.4	7	9.7	29	8.4
Birth Weight: Above 4499 Grams		9	1.2	0	0.0	6	3.7	3	1.9	1	0.7	1	1.4	6	1.7
Gest. Age: Less than 37 Weeks		73	9.8	14	11.3	12	7.4	16	10.0	17	11.4	9	12.5	29	8.3
APGAR (5 Min.): Less than 8		45	6.1	11	8.8	6	3.7	16	10.0	10	6.7	7	9.7	11	3.2
Infant Care: NICU Admission		49	6.6	13	10.4	9	5.5	9	5.6	5	3.3	6	8.3	19	5.5
Infant Care: Transfer		25	3.4	3	2.4	2	1.2	1	0.6	2	1.3	0	0.0	11	3.2
Place of Birth: At-Home Delivery		1	0.1	6	4.8	5	3.1	9	5.6	0	0.0	1	1.4	0	0.0
Method of Delivery: Cesarean		206	27.7	41	33.1	49	30.4	54	33.8	54	36.5	24	33.3	101	29.0
Infant Care: Breastfed		554	75.9	97	81.5	121	76.1	131	85.1	97	65.5	59	83.1	273	79.4
Mat. Smoking: During Preg.		172	23.5	27	21.6	47	29.2	32	20.3	48	32.4	17	23.6	86	24.8
...Quit Smoking During Preg.		34	19.8	5	18.5	11	23.4	7	21.9	8	16.7	2	11.8	16	18.6
Mat. Wt.: Underweight		24	3.2	3	2.5	8	5.1	7	4.4	7	4.7	1	1.4	10	2.9
Mat. Wt.: Obese		207	28.0	37	30.6	51	32.7	40	25.3	53	35.6	27	38.6	126	36.3
Mat. Sing. Wt. Gain: Low		80	12.3	15	14.0	20	14.5	18	12.8	18	14.9	7	12.3	58	18.2
Mat. Sing. Wt. Gain: High		163	25.0	26	24.3	23	16.7	32	22.7	34	28.1	6	10.5	45	14.2
Mother's Education: Under 12 Yrs.		83	11.2	16	12.8	25	15.4	24	15.0	25	16.8	8	11.1	41	11.9
Marital Status: Out-of-Wedlock		298	40.1	46	36.8	68	41.7	58	36.3	72	48.0	23	31.9	135	38.8
Live Birth Order: 4 or More		86	11.6	15	12.0	33	20.4	24	15.1	13	8.8	7	9.7	49	14.1
Birth Spacing: Less than 18 Mos.		54	12.5	9	11.7	10	8.3	10	10.2	11	14.7	4	9.8	28	12.4
Prenatal Care: 1st Trimester		530	73.7	99	79.8	119	76.8	117	75.5	102	70.3	56	82.4	279	80.9
Prenatal Care: 2nd Trimester		150	20.9	19	15.3	26	16.8	25	16.1	31	21.4	8	11.8	48	13.9
Prenatal Care: 3rd Trimester		36	5.0	4	3.2	9	5.8	12	7.7	10	6.9	3	4.4	13	3.8
Prenatal Care: None		3	0.4	2	1.6	1	0.6	1	0.6	2	1.4	1	1.5	5	1.4
Prenatal Care: Inadequate		128	17.9	22	18.8	23	14.9	30	19.9	29	20.3	9	13.2	66	19.2
Maternal Utilization: Medicaid		254	34.4	36	28.8	75	46.6	40	25.0	81	55.5	24	33.3	141	40.6
Maternal Utilization: WIC		223	30.5	49	40.8	73	45.9	62	39.5	100	66.7	21	30.0	152	44.2
Maternal Utilization: FSP		166	23.2	28	24.1	43	27.9	33	21.0	50	35.5	11	15.7	95	34.3
Mother's Age: At Delivery	Under 15	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	7	0.9	0	0.0	2	1.2	4	2.5	5	3.3	2	2.8	3	0.9
	18-19	35	4.7	9	7.2	6	3.7	7	4.4	10	6.7	7	9.7	16	4.6
	20-24	176	23.7	43	34.4	38	23.3	42	26.4	46	30.7	15	20.8	82	23.6
	25-29	279	37.5	34	27.2	57	35.0	51	32.1	57	38.0	25	34.7	132	37.9
	30-34	178	23.9	27	21.6	40	24.5	39	24.5	23	15.3	19	26.4	77	22.1
	35-39	59	7.9	10	8.0	18	11.0	15	9.4	6	4.0	4	5.6	33	9.5
	40 and over	9	1.2	2	1.6	2	1.2	1	0.6	3	2.0	0	0.0	5	1.4

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>McDonald</u>		<u>Mercer</u>		<u>Miller</u>		<u>Mississippi</u>		<u>Moniteau</u>		<u>Monroe</u>		<u>Montgomery</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		370	100.0	47	100.0	301	100.0	146	100.0	192	100.0	112	100.0	124	100.0
Birth Weight: Under 2500 Grams		33	8.9	2	4.3	34	11.3	21	14.4	11	5.7	3	2.7	6	4.8
Birth Weight: Above 4499 Grams		3	0.8	0	0.0	3	1.0	1	0.7	2	1.0	1	0.9	1	0.8
Gest. Age: Less than 37 Weeks		42	11.4	3	6.4	36	12.0	24	16.4	13	6.8	6	5.4	9	7.3
APGAR (5 Min.): Less than 8		21	5.7	1	2.1	21	7.0	7	4.8	14	7.3	1	0.9	2	1.6
Infant Care: NICU Admission		44	11.9	2	4.3	27	9.0	9	6.2	14	7.3	6	5.4	9	7.3
Infant Care: Transfer		4	1.1	1	2.1	3	1.0	3	2.1	3	1.6	3	2.7	1	0.8
Place of Birth: At-Home Delivery		7	1.9	10	21.3	2	0.7	0	0.0	20	10.4	10	8.9	1	0.8
Method of Delivery: Cesarean		117	31.6	9	19.6	85	28.2	53	36.3	33	17.2	28	25.0	28	22.6
Infant Care: Breastfed		301	83.4	31	70.5	219	77.4	57	40.4	156	82.5	98	89.1	86	70.5
Mat. Smoking: During Preg.		68	18.4	7	14.9	71	23.6	30	20.8	26	13.6	21	18.8	30	24.4
...Quit Smoking During Preg.		14	20.6	1	14.3	12	16.9	5	16.7	2	7.7	3	14.3	1	3.3
Mat. Wt.: Underweight		18	4.9	3	7.9	15	5.0	5	3.4	8	4.2	1	0.9	9	7.4
Mat. Wt.: Obese		124	33.7	12	31.6	110	36.7	50	34.5	51	26.8	25	22.3	32	26.4
Mat. Sing. Wt. Gain: Low		57	17.7	6	18.8	49	19.1	28	23.5	27	15.2	17	16.5	15	13.5
Mat. Sing. Wt. Gain: High		57	17.7	10	31.3	49	19.1	18	15.1	34	19.1	15	14.6	24	21.6
Mother's Education: Under 12 Yrs.		122	33.0	13	27.7	37	12.3	30	20.5	58	30.4	22	19.8	16	13.0
Marital Status: Out-of-Wedlock		169	45.7	21	44.7	119	39.5	97	66.4	55	28.6	48	42.9	50	40.3
Live Birth Order: 4 or More		77	20.9	4	8.7	51	16.9	16	11.0	47	24.5	19	17.0	11	8.9
Birth Spacing: Less than 18 Mos.		31	13.3	4	19.0	25	12.4	13	14.6	25	19.2	8	11.0	11	14.3
Prenatal Care: 1st Trimester		225	61.8	25	62.5	233	80.6	90	63.8	115	62.2	80	74.1	83	69.2
Prenatal Care: 2nd Trimester		102	28.0	11	27.5	51	17.6	42	29.8	50	27.0	20	18.5	29	24.2
Prenatal Care: 3rd Trimester		21	5.8	4	10.0	4	1.4	7	5.0	19	10.3	8	7.4	6	5.0
Prenatal Care: None		16	4.4	0	0.0	1	0.3	2	1.4	1	0.5	0	0.0	2	1.7
Prenatal Care: Inadequate		90	24.7	16	36.4	30	10.6	20	14.1	47	25.7	26	24.1	24	20.2
Maternal Utilization: Medicaid		199	53.8	13	28.9	127	42.5	101	69.2	56	29.2	43	39.4	54	43.5
Maternal Utilization: WIC		237	64.8	19	40.4	145	48.7	113	78.5	66	34.6	48	43.2	47	38.5
Maternal Utilization: FSP		102	34.8	7	18.9	93	31.5	65	46.1	39	21.0	23	21.9	41	33.6
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9	0	0.0
	15-17	12	3.2	0	0.0	8	2.7	5	3.4	1	0.5	3	2.7	3	2.4
	18-19	37	10.0	4	8.5	14	4.7	9	6.2	9	4.7	7	6.3	6	4.8
	20-24	111	30.0	15	31.9	87	28.9	67	45.9	48	25.0	26	23.2	43	34.7
	25-29	112	30.3	15	31.9	107	35.5	32	21.9	80	41.7	34	30.4	38	30.6
	30-34	53	14.3	9	19.1	50	16.6	22	15.1	36	18.8	28	25.0	23	18.5
	35-39	36	9.7	3	6.4	33	11.0	10	6.8	16	8.3	12	10.7	10	8.1
	40 and over	9	2.4	1	2.1	2	0.7	1	0.7	2	1.0	1	0.9	1	0.8

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Morgan</u>		<u>New Madrid</u>		<u>Newton</u>		<u>Nodaway</u>		<u>Oregon</u>		<u>Osage</u>		<u>Ozark</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		254	100.0	231	100.0	707	100.0	240	100.0	118	100.0	182	100.0	85	100.0
Birth Weight: Under 2500 Grams		12	4.7	25	10.8	39	5.5	23	9.6	16	13.6	24	13.3	4	4.7
Birth Weight: Above 4499 Grams		7	2.8	4	1.7	8	1.1	4	1.7	1	0.8	1	0.6	2	2.4
Gest. Age: Less than 37 Weeks		15	5.9	26	11.3	62	8.8	22	9.2	14	11.9	23	12.6	9	10.6
APGAR (5 Min.): Less than 8		19	7.5	17	7.4	30	4.3	12	5.0	5	4.3	15	8.2	11	13.1
Infant Care: NICU Admission		14	5.5	13	5.6	62	8.8	13	5.4	9	7.6	21	11.5	7	8.2
Infant Care: Transfer		4	1.6	6	2.6	4	0.6	5	2.1	4	3.4	4	2.2	2	2.4
Place of Birth: At-Home Delivery		21	8.3	1	0.4	9	1.3	7	2.9	5	4.2	1	0.5	5	5.9
Method of Delivery: Cesarean		49	19.3	89	38.5	207	29.3	81	33.8	46	39.0	54	29.7	26	30.6
Infant Care: Breastfed		199	80.9	103	45.4	586	83.2	196	83.4	81	69.8	150	85.2	66	78.6
Mat. Smoking: During Preg.		58	22.8	59	25.5	103	14.7	36	15.1	39	33.1	27	14.9	30	35.3
...Quit Smoking During Preg.		10	17.2	14	23.7	19	18.4	11	30.6	9	23.1	5	18.5	6	20.0
Mat. Wt.: Underweight		7	2.8	11	4.8	26	3.7	8	3.3	6	5.1	0	0.0	2	2.4
Mat. Wt.: Obese		67	26.9	92	40.2	208	29.5	75	31.4	43	36.8	44	24.4	31	36.9
Mat. Sing. Wt. Gain: Low		17	7.5	45	22.4	88	13.9	28	13.3	20	19.8	25	16.1	13	17.3
Mat. Sing. Wt. Gain: High		35	15.4	36	17.9	106	16.7	45	21.4	16	15.8	28	18.1	17	22.7
Mother's Education: Under 12 Yrs.		104	40.9	35	15.2	133	18.8	13	5.4	25	21.2	17	9.3	15	17.6
Marital Status: Out-of-Wedlock		77	30.3	142	61.5	255	36.1	60	25.0	37	31.4	44	24.2	43	50.6
Live Birth Order: 4 or More		70	27.6	30	13.0	108	15.3	35	14.6	25	21.2	19	10.4	11	12.9
Birth Spacing: Less than 18 Mos.		20	11.5	23	15.5	48	10.6	18	12.5	14	19.2	13	11.3	5	10.4
Prenatal Care: 1st Trimester		156	62.2	168	73.4	500	72.4	191	80.3	82	72.6	146	82.0	57	68.7
Prenatal Care: 2nd Trimester		79	31.5	47	20.5	149	21.6	36	15.1	22	19.5	25	14.0	20	24.1
Prenatal Care: 3rd Trimester		14	5.6	11	4.8	29	4.2	8	3.4	9	8.0	4	2.2	6	7.2
Prenatal Care: None		2	0.8	3	1.3	13	1.9	3	1.3	0	0.0	3	1.7	0	0.0
Prenatal Care: Inadequate		48	19.5	45	20.0	132	19.2	37	15.5	20	17.7	23	13.1	22	26.8
Maternal Utilization: Medicaid		90	35.4	152	66.1	313	44.3	56	23.5	79	66.9	40	22.0	52	61.2
Maternal Utilization: WIC		104	41.4	156	67.8	318	45.4	67	28.3	87	73.7	46	25.4	48	56.5
Maternal Utilization: FSP		63	25.5	116	53.0	168	24.7	42	18.8	49	44.1	28	15.8	22	41.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	4	1.6	9	3.9	18	2.5	1	0.4	1	0.8	2	1.1	1	1.2
	18-19	10	3.9	16	6.9	47	6.6	4	1.7	13	11.0	1	0.5	9	10.6
	20-24	79	31.1	78	33.8	217	30.7	60	25.0	40	33.9	33	18.1	22	25.9
	25-29	82	32.3	69	29.9	225	31.8	82	34.2	34	28.8	84	46.2	32	37.6
	30-34	50	19.7	48	20.8	127	18.0	61	25.4	15	12.7	38	20.9	15	17.6
	35-39	21	8.3	9	3.9	64	9.1	25	10.4	12	10.2	18	9.9	5	5.9
	40 and over	8	3.1	2	0.9	9	1.3	7	2.9	3	2.5	6	3.3	1	1.2

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Pemiscot</u>		<u>Perry</u>		<u>Pettis</u>		<u>Phelps</u>		<u>Pike</u>		<u>Platte</u>		<u>Polk</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		256	100.0	219	100.0	535	100.0	496	100.0	215	100.0	1,242	100.0	384	100.0
Birth Weight: Under 2500 Grams		31	12.2	17	7.8	35	6.5	47	9.5	18	8.4	73	5.9	25	6.5
Birth Weight: Above 4499 Grams		4	1.6	2	0.9	12	2.2	9	1.8	2	0.9	21	1.7	6	1.6
Gest. Age: Less than 37 Weeks		33	12.9	22	10.0	39	7.3	54	10.9	17	7.9	94	7.6	28	7.4
APGAR (5 Min.): Less than 8		14	5.5	12	5.5	78	14.6	54	11.0	8	3.7	41	3.3	16	4.2
Infant Care: NICU Admission		21	8.2	25	11.4	35	6.5	32	6.5	7	3.3	97	7.8	22	5.7
Infant Care: Transfer		13	5.1	14	6.4	7	1.3	16	3.2	6	2.8	12	1.0	7	1.8
Place of Birth: At-Home Delivery		0	0.0	1	0.5	15	2.8	12	2.4	10	4.7	23	1.9	10	2.6
Method of Delivery: Cesarean		93	36.3	99	45.2	165	30.8	180	36.3	45	20.9	337	27.2	106	28.0
Infant Care: Breastfed		69	28.3	133	63.0	395	77.6	458	94.4	158	74.2	1,094	89.9	316	85.4
Mat. Smoking: During Preg.		62	24.4	52	23.9	115	21.9	104	21.1	58	27.1	89	7.2	67	17.7
...Quit Smoking During Preg.		11	17.7	11	21.2	30	26.1	23	22.1	8	13.8	23	25.8	12	17.9
Mat. Wt.: Underweight		11	4.3	10	4.6	23	4.4	26	5.3	12	5.6	47	3.8	16	4.2
Mat. Wt.: Obese		100	39.4	66	30.1	150	28.4	135	27.8	60	28.0	258	20.9	111	28.9
Mat. Sing. Wt. Gain: Low		46	21.2	30	15.8	48	10.0	74	17.7	24	12.3	122	11.1	47	13.8
Mat. Sing. Wt. Gain: High		42	19.4	41	21.6	106	22.1	73	17.4	37	19.0	221	20.1	69	20.3
Mother's Education: Under 12 Yrs.		58	22.7	27	12.3	93	17.5	50	10.1	41	19.1	57	4.6	73	19.1
Marital Status: Out-of-Wedlock		172	67.2	87	39.7	230	43.0	162	32.7	89	41.4	354	28.5	126	32.8
Live Birth Order: 4 or More		51	19.9	23	10.6	92	17.2	79	15.9	40	18.8	115	9.3	73	19.1
Birth Spacing: Less than 18 Mos.		28	18.2	20	13.4	36	10.8	35	11.9	13	9.6	62	8.9	22	9.7
Prenatal Care: 1st Trimester		146	60.3	169	78.6	334	64.1	360	74.4	147	71.0	889	74.5	268	73.0
Prenatal Care: 2nd Trimester		65	26.9	35	16.3	147	28.2	92	19.0	51	24.6	222	18.6	73	19.9
Prenatal Care: 3rd Trimester		24	9.9	8	3.7	39	7.5	26	5.4	9	4.3	64	5.4	20	5.4
Prenatal Care: None		7	2.9	3	1.4	1	0.2	6	1.2	0	0.0	19	1.6	6	1.6
Prenatal Care: Inadequate		82	34.6	28	13.1	125	24.0	85	17.7	42	20.2	204	17.2	64	17.9
Maternal Utilization: Medicaid		203	79.9	76	34.7	281	52.6	174	35.1	87	40.8	257	20.8	172	45.3
Maternal Utilization: WIC		182	71.7	93	43.5	297	56.6	239	49.3	100	47.2	259	21.2	179	47.9
Maternal Utilization: FSP		126	69.2	63	29.9	168	33.3	127	27.0	50	24.9	140	13.5	114	30.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	0	0.0	0	0.0
	15-17	8	3.1	3	1.4	15	2.8	3	0.6	3	1.4	9	0.7	6	1.6
	18-19	23	9.0	8	3.7	36	6.7	20	4.0	11	5.1	28	2.3	24	6.3
	20-24	94	36.7	57	26.0	160	29.9	137	27.6	57	26.5	195	15.7	125	32.6
	25-29	86	33.6	80	36.5	151	28.2	135	27.2	70	32.6	392	31.6	130	33.9
	30-34	31	12.1	52	23.7	120	22.4	136	27.4	49	22.8	392	31.6	75	19.5
	35-39	12	4.7	12	5.5	44	8.2	60	12.1	18	8.4	191	15.4	17	4.4
	40 and over	2	0.8	7	3.2	9	1.7	5	1.0	6	2.8	35	2.8	7	1.8

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Pulaski</u>		<u>Putnam</u>		<u>Ralls</u>		<u>Randolph</u>		<u>Ray</u>		<u>Reynolds</u>		<u>Ripley</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		800	100.0	62	100.0	101	100.0	297	100.0	252	100.0	49	100.0	175	100.0
Birth Weight: Under 2500 Grams		66	8.3	4	6.5	11	10.9	31	10.4	18	7.2	3	6.1	18	10.3
Birth Weight: Above 4499 Grams		9	1.1	0	0.0	1	1.0	2	0.7	1	0.4	0	0.0	0	0.0
Gest. Age: Less than 37 Weeks		73	9.1	8	12.9	10	9.9	33	11.1	22	8.8	5	10.2	22	12.6
APGAR (5 Min.): Less than 8		90	11.3	12	19.4	3	3.0	24	8.2	16	6.4	2	4.1	6	3.4
Infant Care: NICU Admission		35	4.4	5	8.1	7	6.9	37	12.5	23	9.1	2	4.1	6	3.4
Infant Care: Transfer		28	3.5	6	9.7	2	2.0	2	0.7	2	0.8	1	2.0	8	4.6
Place of Birth: At-Home Delivery		6	0.8	3	4.8	0	0.0	9	3.0	5	2.0	0	0.0	2	1.1
Method of Delivery: Cesarean		220	27.5	25	40.3	19	18.8	94	31.6	54	21.5	8	16.3	42	24.0
Infant Care: Breastfed		692	87.7	48	82.8	84	85.7	221	79.5	181	76.1	36	75.0	104	59.8
Mat. Smoking: During Preg.		127	15.9	11	18.3	19	18.8	72	24.8	60	24.1	19	38.8	46	26.4
...Quit Smoking During Preg.		34	26.8	2	18.2	3	15.8	8	11.1	10	16.7	0	0.0	3	6.5
Mat. Wt.: Underweight		35	4.4	2	3.3	4	4.0	15	5.1	11	4.4	7	14.3	9	5.1
Mat. Wt.: Obese		200	25.1	19	31.7	23	22.8	96	32.8	73	29.2	16	32.7	52	29.7
Mat. Sing. Wt. Gain: Low		102	14.6	9	18.0	11	12.1	32	12.6	26	11.9	10	23.8	22	15.2
Mat. Sing. Wt. Gain: High		148	21.2	5	10.0	18	19.8	48	18.9	38	17.4	8	19.0	34	23.4
Mother's Education: Under 12 Yrs.		68	8.5	13	21.0	9	8.9	51	17.2	31	12.4	12	24.5	38	21.7
Marital Status: Out-of-Wedlock		195	24.4	12	19.4	27	26.7	135	45.5	119	47.2	27	55.1	79	45.1
Live Birth Order: 4 or More		112	14.0	16	25.8	17	16.8	27	9.1	38	15.2	9	18.4	24	13.7
Birth Spacing: Less than 18 Mos.		64	13.4	8	17.4	7	10.4	22	12.6	17	12.2	4	14.8	14	12.3
Prenatal Care: 1st Trimester		524	67.3	57	91.9	81	81.0	219	76.8	177	72.5	30	62.5	113	66.1
Prenatal Care: 2nd Trimester		163	20.9	4	6.5	16	16.0	56	19.6	50	20.5	14	29.2	50	29.2
Prenatal Care: 3rd Trimester		77	9.9	1	1.6	2	2.0	10	3.5	14	5.7	4	8.3	7	4.1
Prenatal Care: None		15	1.9	0	0.0	1	1.0	0	0.0	3	1.2	0	0.0	1	0.6
Prenatal Care: Inadequate		205	26.5	6	9.7	15	15.0	62	22.1	48	20.1	10	21.3	41	24.0
Maternal Utilization: Medicaid		204	25.6	21	35.0	32	31.7	105	35.4	93	37.5	36	75.0	118	67.4
Maternal Utilization: WIC		308	38.6	23	37.1	33	32.7	169	59.1	119	47.6	36	76.6	120	69.0
Maternal Utilization: FSP		147	18.7	12	25.5	20	21.5	88	32.2	65	26.5	24	51.1	83	50.0
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	11	1.4	1	1.6	1	1.0	12	4.0	7	2.8	0	0.0	3	1.7
	18-19	30	3.8	2	3.2	4	4.0	21	7.1	17	6.7	5	10.2	15	8.6
	20-24	203	25.4	15	24.2	17	16.8	94	31.6	76	30.2	22	44.9	72	41.1
	25-29	295	36.9	22	35.5	42	41.6	90	30.3	85	33.7	11	22.4	52	29.7
	30-34	193	24.1	17	27.4	27	26.7	44	14.8	45	17.9	6	12.2	25	14.3
	35-39	62	7.8	4	6.5	10	9.9	31	10.4	19	7.5	4	8.2	7	4.0
	40 and over	6	0.8	1	1.6	0	0.0	5	1.7	3	1.2	1	2.0	1	0.6

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Saline</u>		<u>Schuyler</u>		<u>Scotland</u>		<u>Scott</u>		<u>Shannon</u>		<u>Shelby</u>		<u>St. Charles</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		238	100.0	71	100.0	90	100.0	482	100.0	89	100.0	80	100.0	4,487	100.0
Birth Weight: Under 2500 Grams		24	10.1	6	8.5	5	5.6	48	10.0	5	5.6	9	11.3	360	8.0
Birth Weight: Above 4499 Grams		4	1.7	1	1.4	3	3.3	4	0.8	0	0.0	2	2.5	59	1.3
Gest. Age: Less than 37 Weeks		32	13.4	8	11.3	4	4.4	54	11.2	7	8.0	15	18.8	458	10.2
APGAR (5 Min.): Less than 8		22	9.2	6	8.5	6	6.7	30	6.2	3	3.4	10	12.5	198	4.4
Infant Care: NICU Admission		20	8.4	4	5.6	4	4.4	34	7.1	2	2.2	14	17.5	338	7.5
Infant Care: Transfer		8	3.4	2	2.8	2	2.2	6	1.2	2	2.2	0	0.0	50	1.1
Place of Birth: At-Home Delivery		4	1.7	12	16.9	25	27.8	1	0.2	4	4.5	2	2.5	23	0.5
Method of Delivery: Cesarean		85	35.7	17	24.3	22	24.7	188	39.0	21	23.6	33	41.3	1,499	33.4
Infant Care: Breastfed		176	76.5	53	81.5	67	82.7	266	58.2	63	72.4	56	75.7	3,727	85.0
Mat. Smoking: During Preg.		52	22.2	14	19.7	9	10.1	94	19.7	18	20.2	16	20.0	395	8.9
...Quit Smoking During Preg.		6	11.5	1	7.1	3	33.3	16	17.0	2	11.1	7	43.8	116	29.4
Mat. Wt.: Underweight		10	4.2	0	0.0	2	2.2	21	4.4	2	2.2	4	5.0	123	2.8
Mat. Wt.: Obese		88	37.3	27	39.7	23	25.6	159	33.2	27	30.3	23	28.8	979	22.0
Mat. Sing. Wt. Gain: Low		34	16.8	15	25.9	13	15.5	74	18.0	10	12.3	8	12.3	336	8.7
Mat. Sing. Wt. Gain: High		35	17.3	8	13.8	10	11.9	84	20.4	12	14.8	13	20.0	872	22.5
Mother's Education: Under 12 Yrs.		41	17.2	23	32.4	49	55.1	61	12.7	15	16.9	7	8.9	197	4.4
Marital Status: Out-of-Wedlock		114	47.9	19	26.8	22	24.4	247	51.2	33	37.1	21	26.3	1,102	24.6
Live Birth Order: 4 or More		35	14.7	18	25.4	26	28.9	54	11.2	7	7.9	14	17.5	405	9.1
Birth Spacing: Less than 18 Mos.		11	7.5	4	9.3	6	9.8	40	14.7	8	13.8	3	6.0	226	8.8
Prenatal Care: 1st Trimester		179	77.8	51	73.9	51	57.3	361	76.5	64	72.7	59	74.7	3,498	82.8
Prenatal Care: 2nd Trimester		43	18.7	16	23.2	30	33.7	93	19.7	20	22.7	17	21.5	600	14.2
Prenatal Care: 3rd Trimester		7	3.0	2	2.9	8	9.0	14	3.0	4	4.5	3	3.8	107	2.5
Prenatal Care: None		1	0.4	0	0.0	0	0.0	4	0.8	0	0.0	0	0.0	20	0.5
Prenatal Care: Inadequate		42	18.3	17	24.3	43	48.3	69	14.7	13	15.3	18	22.8	434	10.3
Maternal Utilization: Medicaid		114	47.9	32	45.1	15	17.0	274	56.8	59	66.3	21	26.3	747	16.9
Maternal Utilization: WIC		126	53.4	29	41.4	23	26.1	294	61.8	64	71.9	28	35.0	633	14.4
Maternal Utilization: FSP		85	36.2	16	23.9	7	8.9	180	38.1	40	46.0	14	18.9	454	10.4
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
	15-17	9	3.8	0	0.0	1	1.1	9	1.9	1	1.1	0	0.0	28	0.6
	18-19	9	3.8	2	2.8	4	4.4	37	7.7	5	5.6	4	5.0	90	2.0
	20-24	74	31.1	25	35.2	26	28.9	167	34.6	43	48.3	27	33.8	543	12.1
	25-29	82	34.5	25	35.2	33	36.7	136	28.2	26	29.2	24	30.0	1,453	32.4
	30-34	49	20.6	10	14.1	11	12.2	96	19.9	9	10.1	16	20.0	1,650	36.8
	35-39	11	4.6	9	12.7	10	11.1	33	6.8	3	3.4	9	11.3	635	14.2
	40 and over	4	1.7	0	0.0	5	5.6	4	0.8	2	2.2	0	0.0	81	1.8

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>St. Clair</u>		<u>St. Francois</u>		<u>St. Louis City</u>		<u>St. Louis County</u>		<u>Ste. Genevieve</u>		<u>Stoddard</u>		<u>Stone</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		117	100.0	703	100.0	4,321	100.0	11,673	100.0	192	100.0	308	100.0	247	100.0
Birth Weight: Under 2500 Grams		10	8.5	60	8.6	584	13.5	1,105	9.5	20	10.4	22	7.1	24	9.8
Birth Weight: Above 4499 Grams		1	0.9	11	1.6	29	0.7	116	1.0	0	0.0	0	0.0	3	1.2
Gest. Age: Less than 37 Weeks		10	8.5	103	14.7	546	12.6	1,339	11.5	22	11.5	35	11.4	25	10.2
APGAR (5 Min.): Less than 8		4	3.4	38	5.5	315	7.3	589	5.1	12	6.3	11	3.6	15	6.1
Infant Care: NICU Admission		8	6.8	49	7.0	358	8.3	1,009	8.6	13	6.8	12	3.9	23	9.3
Infant Care: Transfer		1	0.9	39	5.5	107	2.5	158	1.4	10	5.2	7	2.3	6	2.4
Place of Birth: At-Home Delivery		6	5.1	3	0.4	33	0.8	70	0.6	2	1.0	5	1.6	4	1.6
Method of Delivery: Cesarean		29	25.0	286	40.7	1,364	31.6	3,924	33.6	49	25.5	85	27.6	73	29.6
Infant Care: Breastfed		92	80.7	442	63.5	2,992	70.4	9,071	79.8	134	70.9	182	60.7	197	81.4
Mat. Smoking: During Preg.		23	20.2	187	27.1	519	12.2	895	7.8	42	22.1	67	22.0	56	22.8
...Quit Smoking During Preg.		5	21.7	31	16.6	126	24.3	263	29.4	7	16.7	10	14.9	14	25.0
Mat. Wt.: Underweight		7	6.0	35	5.1	157	3.7	407	3.5	12	6.3	15	4.9	16	6.6
Mat. Wt.: Obese		32	27.4	200	28.9	1,133	26.7	2,731	23.7	48	25.1	74	24.3	63	25.8
Mat. Sing. Wt. Gain: Low		23	22.1	61	10.8	488	13.9	1,067	10.8	24	14.5	38	14.1	26	12.1
Mat. Sing. Wt. Gain: High		20	19.2	141	25.0	675	19.2	1,944	19.7	29	17.6	66	24.5	62	28.8
Mother's Education: Under 12 Yrs.		29	24.8	112	16.0	673	15.7	788	6.8	24	12.6	51	16.6	45	18.4
Marital Status: Out-of-Wedlock		45	38.5	356	50.6	2,506	58.0	4,346	37.2	69	35.9	129	41.9	108	43.7
Live Birth Order: 4 or More		27	23.1	77	11.0	600	13.9	1,310	11.3	28	14.6	46	14.9	34	13.8
Birth Spacing: Less than 18 Mos.		10	13.7	48	13.0	337	14.6	694	10.4	13	10.8	31	15.4	18	11.5
Prenatal Care: 1st Trimester		79	70.5	454	68.6	2,669	71.2	8,103	77.5	124	67.8	217	71.6	147	64.8
Prenatal Care: 2nd Trimester		21	18.8	168	25.4	816	21.8	1,914	18.3	53	29.0	74	24.4	65	28.6
Prenatal Care: 3rd Trimester		11	9.8	26	3.9	161	4.3	350	3.3	6	3.3	8	2.6	13	5.7
Prenatal Care: None		1	0.9	14	2.1	100	2.7	95	0.9	0	0.0	4	1.3	2	0.9
Prenatal Care: Inadequate		25	22.7	138	21.0	967	26.3	1,598	15.5	28	15.3	48	15.9	59	27.3
Maternal Utilization: Medicaid		53	46.5	390	56.7	2,486	58.0	3,602	31.4	65	34.0	179	58.1	152	61.5
Maternal Utilization: WIC		63	55.3	390	56.5	1,985	47.1	3,139	27.8	86	45.3	170	56.3	136	56.4
Maternal Utilization: FSP		34	32.7	253	37.3	1,855	44.8	2,639	23.7	48	25.8	115	39.8	74	31.5
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	5	0.1	6	0.1	0	0.0	0	0.0	0	0.0
	15-17	1	0.9	17	2.4	76	1.8	104	0.9	2	1.0	5	1.6	5	2.0
	18-19	5	4.3	43	6.1	195	4.5	359	3.1	6	3.1	19	6.2	26	10.5
	20-24	42	35.9	237	33.8	1,036	24.0	1,890	16.2	50	26.0	110	35.7	67	27.1
	25-29	39	33.3	208	29.7	1,285	29.7	3,159	27.1	66	34.4	94	30.5	87	35.2
	30-34	20	17.1	137	19.5	1,144	26.5	3,949	33.8	50	26.0	62	20.1	47	19.0
	35-39	8	6.8	54	7.7	501	11.6	1,852	15.9	15	7.8	13	4.2	14	5.7
	40 and over	2	1.7	5	0.7	78	1.8	350	3.0	3	1.6	5	1.6	1	0.4

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Sullivan</u>		<u>Taney</u>		<u>Texas</u>		<u>Vernon</u>		<u>Warren</u>		<u>Washington</u>		<u>Wayne</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		85	100.0	659	100.0	302	100.0	237	100.0	425	100.0	290	100.0	142	100.0
Birth Weight: Under 2500 Grams		7	8.2	62	9.4	19	6.3	18	7.6	42	9.9	37	12.8	6	4.2
Birth Weight: Above 4499 Grams		0	0.0	4	0.6	5	1.7	3	1.3	9	2.1	0	0.0	0	0.0
Gest. Age: Less than 37 Weeks		12	14.1	64	9.7	31	10.4	29	12.2	39	9.2	39	13.4	15	10.6
APGAR (5 Min.): Less than 8		15	17.6	31	4.7	12	4.0	16	6.8	18	4.2	19	6.6	3	2.1
Infant Care: NICU Admission		5	5.9	41	6.2	19	6.3	15	6.3	18	4.2	22	7.6	0	0.0
Infant Care: Transfer		2	2.4	11	1.7	12	4.0	6	2.5	9	2.1	8	2.8	2	1.4
Place of Birth: At-Home Delivery		0	0.0	3	0.5	15	5.0	21	8.9	4	0.9	0	0.0	4	2.8
Method of Delivery: Cesarean		36	42.4	173	26.3	81	27.0	58	24.7	118	27.8	117	40.3	34	23.9
Infant Care: Breastfed		57	70.4	521	80.3	220	77.7	185	80.4	320	76.4	151	53.5	77	54.6
Mat. Smoking: During Preg.		24	28.9	166	25.2	75	24.9	53	22.5	79	18.9	88	31.0	41	29.1
...Quit Smoking During Preg.		2	8.3	34	20.5	17	22.7	7	13.2	11	13.9	12	13.6	2	4.9
Mat. Wt.: Underweight		1	1.2	31	4.8	13	4.3	6	2.6	12	2.8	14	4.9	6	4.3
Mat. Wt.: Obese		18	21.2	145	22.2	82	27.4	75	32.5	122	28.8	103	35.8	38	27.0
Mat. Sing. Wt. Gain: Low		13	17.8	60	10.3	37	14.0	36	17.7	57	15.1	41	17.2	13	10.4
Mat. Sing. Wt. Gain: High		10	13.7	140	24.0	67	25.4	40	19.7	74	19.6	58	24.3	21	16.8
Mother's Education: Under 12 Yrs.		10	11.8	119	18.1	61	20.2	51	21.6	59	13.9	67	23.3	27	19.1
Marital Status: Out-of-Wedlock		36	42.4	303	46.0	100	33.1	95	40.1	175	41.2	156	53.8	62	43.7
Live Birth Order: 4 or More		10	11.8	92	14.0	50	16.6	44	18.6	49	11.5	43	14.9	27	19.0
Birth Spacing: Less than 18 Mos.		7	15.9	58	14.0	27	14.6	17	11.6	30	10.7	27	16.7	16	16.8
Prenatal Care: 1st Trimester		73	85.9	382	60.6	211	74.0	171	75.3	287	71.6	168	62.9	73	52.1
Prenatal Care: 2nd Trimester		8	9.4	191	30.3	62	21.8	39	17.2	87	21.7	66	24.7	56	40.0
Prenatal Care: 3rd Trimester		2	2.4	43	6.8	10	3.5	17	7.5	27	6.7	25	9.4	10	7.1
Prenatal Care: None		2	2.4	14	2.2	2	0.7	0	0.0	0	0.0	8	3.0	1	0.7
Prenatal Care: Inadequate		11	12.9	180	29.3	55	20.9	46	20.6	77	19.2	69	26.0	45	32.8
Maternal Utilization: Medicaid		33	38.8	374	57.1	149	49.8	114	50.0	172	40.9	169	60.4	97	68.8
Maternal Utilization: WIC		52	61.2	396	60.7	163	54.7	114	49.6	132	31.4	206	71.3	103	73.6
Maternal Utilization: FSP		26	32.5	209	33.2	102	34.9	57	31.0	114	27.5	129	45.6	67	50.4
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0
	15-17	2	2.4	13	2.0	6	2.0	4	1.7	9	2.1	11	3.8	5	3.5
	18-19	5	5.9	50	7.6	13	4.3	15	6.3	21	4.9	31	10.7	10	7.0
	20-24	31	36.5	202	30.7	116	38.4	81	34.2	110	25.9	80	27.7	46	32.4
	25-29	28	32.9	191	29.0	85	28.1	79	33.3	147	34.6	97	33.6	43	30.3
	30-34	13	15.3	129	19.6	61	20.2	39	16.5	98	23.1	48	16.6	26	18.3
	35-39	5	5.9	60	9.1	17	5.6	15	6.3	37	8.7	20	6.9	10	7.0
	40 and over	1	1.2	14	2.1	3	1.0	4	1.7	3	0.7	2	0.7	2	1.4

Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2016

		<u>Webster</u>		<u>Worth</u>		<u>Wright</u>	
		Number	Percent	Number	Percent	Number	Percent
Live Births		585	100.0	25	100.0	269	100.0
Birth Weight: Under 2500 Grams		34	5.8	3	12.0	26	9.7
Birth Weight: Above 4499 Grams		11	1.9	1	4.0	6	2.2
Gest. Age: Less than 37 Weeks		44	7.6	3	12.0	31	11.6
APGAR (5 Min.): Less than 8		14	2.8	2	8.0	16	6.2
Infant Care: NICU Admission		28	4.8	1	4.0	25	9.3
Infant Care: Transfer		3	0.5	0	0.0	8	3.0
Place of Birth: At-Home Delivery		121	20.7	0	0.0	22	8.2
Method of Delivery: Cesarean		121	20.8	10	40.0	64	23.8
Infant Care: Breastfed		511	89.5	22	88.0	203	80.2
Mat. Smoking: During Preg.		67	11.6	2	8.0	58	21.8
...Quit Smoking During Preg.		14	20.9	0	0.0	11	19.0
Mat. Wt.: Underweight		23	4.0	2	8.0	15	5.7
Mat. Wt.: Obese		168	29.1	3	12.0	63	23.9
Mat. Sing. Wt. Gain: Low		66	12.8	3	13.6	45	20.1
Mat. Sing. Wt. Gain: High		91	17.6	7	31.8	35	15.6
Mother's Education: Under 12 Yrs.		203	34.9	1	4.0	63	23.5
Marital Status: Out-of-Wedlock		152	26.0	10	40.0	90	33.5
Live Birth Order: 4 or More		153	26.3	1	4.0	55	20.5
Birth Spacing: Less than 18 Mos.		99	26.5	2	13.3	31	17.9
Prenatal Care: 1st Trimester		278	53.2	18	75.0	140	56.2
Prenatal Care: 2nd Trimester		163	31.2	5	20.8	81	32.5
Prenatal Care: 3rd Trimester		70	13.4	1	4.2	22	8.8
Prenatal Care: None		12	2.3	0	0.0	6	2.4
Prenatal Care: Inadequate		219	44.1	2	8.3	81	34.8
Maternal Utilization: Medicaid		207	35.8	6	24.0	140	52.2
Maternal Utilization: WIC		197	34.5	6	24.0	149	56.7
Maternal Utilization: FSP		126	22.7	2	8.3	84	32.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	1	0.4
	15-17	9	1.5	1	4.0	3	1.1
	18-19	44	7.5	0	0.0	16	5.9
	20-24	179	30.6	9	36.0	98	36.4
	25-29	174	29.7	9	36.0	82	30.5
	30-34	108	18.5	6	24.0	42	15.6
	35-39	52	8.9	0	0.0	22	8.2
	40 and over	19	3.2	0	0.0	5	1.9

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2016

		<u>Ballwin</u>		<u>Blue Springs</u>		<u>Cape Girardeau</u>		<u>Chesterfield</u>		<u>Columbia</u>		<u>Florissant</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		324	100.0	694	100.0	436	100.0	376	100.0	1,388	100.0	632	100.0
Birth Weight: Under 2500 Grams		22	6.8	41	5.9	47	10.8	25	6.6	108	7.8	66	10.4
Birth Weight: Above 4499 Grams		6	1.9	9	1.3	9	2.1	3	0.8	17	1.2	8	1.3
Gest. Age: Less than 37 Weeks		30	9.3	56	8.1	53	12.2	38	10.1	122	8.8	73	11.6
APGAR (5 Min.): Less than 8		10	3.1	27	3.9	21	4.8	14	3.7	66	4.8	42	6.7
Infant Care: NICU Admission		27	8.3	67	9.7	39	8.9	18	4.8	152	11.0	57	9.0
Infant Care: Transfer		2	0.6	3	0.4	8	1.8	0	0.0	6	0.4	17	2.7
Place of Birth: At-Home Delivery		3	0.9	4	0.6	4	0.9	2	0.5	16	1.2	5	0.8
Method of Delivery: Cesarean		99	30.6	184	26.5	135	31.0	130	34.6	460	33.1	230	36.4
Infant Care: Breastfed		291	92.7	585	88.6	272	64.5	339	92.6	1,189	89.1	463	75.8
Mat. Smoking: During Preg.		11	3.4	80	11.6	75	17.3	3	0.8	117	8.6	79	12.7
...Quit Smoking During Preg.		7	63.6	23	28.8	15	20.0	2	66.7	35	29.9	25	31.6
Mat. Wt.: Underweight		15	4.7	20	2.9	12	2.8	9	2.4	46	3.4	19	3.1
Mat. Wt.: Obese		58	18.1	191	27.6	105	24.5	32	8.5	259	19.1	200	32.2
Mat. Sing. Wt. Gain: Low		23	8.0	62	10.3	47	12.8	17	5.2	132	10.9	80	14.9
Mat. Sing. Wt. Gain: High		62	21.6	144	23.9	83	22.6	54	16.6	226	18.6	129	24.0
Mother's Education: Under 12 Yrs.		5	1.5	41	5.9	51	11.7	7	1.9	92	6.6	51	8.1
Marital Status: Out-of-Wedlock		39	12.0	220	31.7	210	48.2	29	7.7	416	30.0	323	51.1
Live Birth Order: 4 or More		22	6.8	61	8.9	63	14.5	32	8.5	134	9.7	80	12.7
Birth Spacing: Less than 18 Mos.		12	6.3	46	11.1	25	10.0	22	9.9	70	9.1	46	12.5
Prenatal Care: 1st Trimester		255	85.6	522	79.0	285	67.9	291	83.6	1,131	83.4	397	70.4
Prenatal Care: 2nd Trimester		37	12.4	109	16.5	108	25.7	51	14.7	181	13.3	142	25.2
Prenatal Care: 3rd Trimester		5	1.7	27	4.1	21	5.0	6	1.7	40	2.9	20	3.5
Prenatal Care: None		1	0.3	3	0.5	6	1.4	0	0.0	4	0.3	5	0.9
Prenatal Care: Inadequate		18	6.1	86	13.7	85	20.5	24	6.9	185	14.0	95	17.2
Maternal Utilization: Medicaid		20	6.3	175	25.9	215	49.3	23	6.2	333	24.0	236	37.9
Maternal Utilization: WIC		10	3.2	161	23.6	186	43.3	18	5.1	351	26.0	220	36.1
Maternal Utilization: FSP		13	4.1	86	13.6	151	35.9	7	2.0	256	19.3	177	29.3
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
	15-17	0	0.0	6	0.9	10	2.3	0	0.0	9	0.6	2	0.3
	18-19	4	1.2	22	3.2	16	3.7	1	0.3	37	2.7	33	5.2
	20-24	23	7.1	148	21.3	115	26.4	19	5.1	217	15.6	135	21.4
	25-29	90	27.8	238	34.3	121	27.8	64	17.0	425	30.6	202	32.0
	30-34	138	42.6	205	29.5	116	26.6	185	49.2	473	34.1	165	26.1
	35-39	55	17.0	66	9.5	45	10.3	85	22.6	193	13.9	82	13.0
	40 and over	14	4.3	9	1.3	13	3.0	22	5.9	34	2.4	12	1.9

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2016

		<u>Gladstone</u>		<u>Hazelwood</u>		<u>Independence</u>		<u>Jefferson City</u>		<u>Joplin - Total</u>		<u>Joplin - Jasper County</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		312	100.0	366	100.0	1,535	100.0	551	100.0	671	100.0	609	100.0
Birth Weight: Under 2500 Grams		24	7.7	39	10.7	123	8.0	57	10.3	39	5.8	35	5.7
Birth Weight: Above 4499 Grams		4	1.3	1	0.3	17	1.1	8	1.5	9	1.3	8	1.3
Gest. Age: Less than 37 Weeks		31	10.0	45	12.3	144	9.4	58	10.5	52	7.8	46	7.6
APGAR (5 Min.): Less than 8		19	6.1	24	6.6	62	4.0	34	6.2	30	4.5	26	4.3
Infant Care: NICU Admission		31	9.9	28	7.7	175	11.4	50	9.1	60	8.9	53	8.7
Infant Care: Transfer		2	0.6	8	2.2	13	0.8	13	2.4	2	0.3	2	0.3
Place of Birth: At-Home Delivery		6	1.9	2	0.5	8	0.5	4	0.7	8	1.2	6	1.0
Method of Delivery: Cesarean		85	27.3	126	34.4	400	26.1	157	28.5	192	28.6	170	27.9
Infant Care: Breastfed		267	88.1	261	73.3	1,157	78.9	427	80.0	554	83.2	501	82.9
Mat. Smoking: During Preg.		41	13.2	44	12.1	302	19.8	96	17.5	129	19.3	119	19.6
...Quit Smoking During Preg.		10	24.4	14	31.8	72	23.8	20	20.8	35	27.1	33	27.7
Mat. Wt.: Underweight		13	4.2	11	3.1	66	4.4	18	3.3	24	3.6	23	3.8
Mat. Wt.: Obese		94	30.6	117	32.7	494	32.7	153	27.9	207	30.9	191	31.4
Mat. Sing. Wt. Gain: Low		41	15.1	48	15.7	214	16.1	72	14.8	86	14.1	80	14.4
Mat. Sing. Wt. Gain: High		55	20.3	54	17.6	320	24.0	113	23.3	117	19.1	109	19.6
Mother's Education: Under 12 Yrs.		23	7.4	28	7.7	271	17.7	62	11.3	93	13.9	82	13.5
Marital Status: Out-of-Wedlock		124	39.7	200	54.6	847	55.2	247	44.8	312	46.5	288	47.3
Live Birth Order: 4 or More		35	11.3	47	12.9	204	13.4	86	15.6	67	10.0	61	10.0
Birth Spacing: Less than 18 Mos.		20	12.2	19	9.0	107	12.3	45	14.0	56	14.5	51	14.6
Prenatal Care: 1st Trimester		197	65.7	234	71.6	1,008	68.1	396	73.9	470	71.9	425	71.5
Prenatal Care: 2nd Trimester		87	29.0	76	23.2	386	26.1	106	19.8	144	22.0	134	22.6
Prenatal Care: 3rd Trimester		14	4.7	15	4.6	59	4.0	28	5.2	35	5.4	32	5.4
Prenatal Care: None		2	0.7	2	0.6	27	1.8	6	1.1	5	0.8	3	0.5
Prenatal Care: Inadequate		70	23.4	70	22.1	329	22.8	98	18.7	117	17.9	106	17.9
Maternal Utilization: Medicaid		89	28.8	155	43.4	749	50.0	197	35.8	364	54.5	336	55.4
Maternal Utilization: WIC		90	29.4	158	44.5	704	46.5	217	40.1	283	42.8	263	43.9
Maternal Utilization: FSP		47	17.2	106	30.7	459	32.9	163	30.5	207	32.4	192	33.2
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.2
	15-17	2	0.6	2	0.5	35	2.3	7	1.3	13	1.9	11	1.8
	18-19	11	3.5	17	4.6	108	7.0	26	4.7	54	8.0	50	8.2
	20-24	70	22.4	83	22.7	440	28.7	122	22.1	224	33.4	207	34.0
	25-29	113	36.2	127	34.7	470	30.6	176	31.9	224	33.4	205	33.7
	30-34	76	24.4	83	22.7	309	20.1	133	24.1	100	14.9	91	14.9
	35-39	33	10.6	44	12.0	141	9.2	72	13.1	46	6.9	35	5.7
	40 and over	7	2.2	10	2.7	32	2.1	15	2.7	9	1.3	9	1.5

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2016

		<u>Joplin - Newton County</u>		<u>Kansas City - Total</u>		<u>Kansas City - Jackson County</u>		<u>Kansas City - Clay County</u>		<u>Kansas City - Platte County</u>		<u>Kansas City - Cass County</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		62	100.0	6,998	100.0	4,532	100.0	1,804	100.0	661	100.0	1	100.0
Birth Weight: Under 2500 Grams		4	6.5	686	9.8	512	11.3	135	7.5	39	5.9	0	0.0
Birth Weight: Above 4499 Grams		1	1.6	80	1.1	54	1.2	17	0.9	9	1.4	0	0.0
Gest. Age: Less than 37 Weeks		6	9.7	759	10.9	547	12.1	162	9.0	50	7.6	0	0.0
APGAR (5 Min.): Less than 8		4	6.5	356	5.1	242	5.4	89	4.9	25	3.8	0	0.0
Infant Care: NICU Admission		7	11.3	827	11.8	617	13.6	153	8.5	57	8.6	0	0.0
Infant Care: Transfer		0	0.0	64	0.9	37	0.8	22	1.2	5	0.8	0	0.0
Place of Birth: At-Home Delivery		2	3.2	80	1.1	59	1.3	12	0.7	8	1.2	1	100.0
Method of Delivery: Cesarean		22	35.5	1,892	27.1	1,237	27.3	474	26.3	181	27.4	0	0.0
Infant Care: Breastfed		53	85.5	5,441	79.9	3,295	74.9	1,566	88.8	579	90.0	1	100.0
Mat. Smoking: During Preg.		10	16.1	664	9.6	483	10.8	144	8.0	37	5.6	0	0.0
...Quit Smoking During Preg.		2	20.0	146	22.0	106	21.9	31	21.5	9	24.3	0	0.0
Mat. Wt.: Underweight		1	1.6	274	4.0	169	3.9	78	4.4	27	4.1	0	0.0
Mat. Wt.: Obese		16	25.8	1,812	26.6	1,238	28.4	440	24.6	134	20.5	0	0.0
Mat. Sing. Wt. Gain: Low		6	11.1	900	15.2	634	16.9	193	12.1	72	12.4	1	100.0
Mat. Sing. Wt. Gain: High		8	14.8	1,186	20.0	724	19.3	342	21.5	120	20.7	0	0.0
Mother's Education: Under 12 Yrs.		11	17.7	1,071	15.4	909	20.2	129	7.2	33	5.0	0	0.0
Marital Status: Out-of-Wedlock		24	38.7	3,286	47.0	2,570	56.7	529	29.3	187	28.3	0	0.0
Live Birth Order: 4 or More		6	9.7	1,079	15.5	836	18.6	182	10.1	61	9.3	0	0.0
Birth Spacing: Less than 18 Mos.		5	13.9	485	12.2	358	13.7	92	9.0	34	9.6	1	100.0
Prenatal Care: 1st Trimester		45	75.0	4,427	66.6	2,624	61.7	1,327	75.6	476	75.1	0	0.0
Prenatal Care: 2nd Trimester		10	16.7	1,616	24.3	1,177	27.7	330	18.8	109	17.2	0	0.0
Prenatal Care: 3rd Trimester		3	5.0	446	6.7	332	7.8	75	4.3	38	6.0	1	100.0
Prenatal Care: None		2	3.3	155	2.3	120	2.8	24	1.4	11	1.7	0	0.0
Prenatal Care: Inadequate		11	18.3	1,668	25.4	1,282	30.5	271	15.6	114	18.1	1	100.0
Maternal Utilization: Medicaid		28	45.2	3,002	43.5	2,443	54.8	423	23.7	136	20.7	0	0.0
Maternal Utilization: WIC		20	32.3	2,806	41.1	2,242	51.0	426	23.9	138	21.3	0	0.0
Maternal Utilization: FSP		15	25.4	1,948	35.1	1,642	47.5	231	14.9	75	13.7	0	0.0
Mother's Age: At Delivery	Under 15	0	0.0	3	0.0	2	0.0	1	0.1	0	0.0	0	0.0
	15-17	2	3.2	117	1.7	98	2.2	16	0.9	3	0.5	0	0.0
	18-19	4	6.5	282	4.0	220	4.9	51	2.8	11	1.7	0	0.0
	20-24	17	27.4	1,525	21.8	1,117	24.7	295	16.4	113	17.1	0	0.0
	25-29	19	30.6	2,138	30.6	1,338	29.5	575	31.9	224	33.9	1	100.0
	30-34	9	14.5	1,931	27.6	1,144	25.3	583	32.3	204	30.9	0	0.0
	35-39	11	17.7	836	12.0	502	11.1	241	13.4	93	14.1	0	0.0
	40 and over	0	0.0	162	2.3	108	2.4	41	2.3	13	2.0	0	0.0

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2016

		<u>Kirkwood</u>		<u>Lee's Summit</u>		<u>Liberty</u>		<u>Maryland Heights</u>		<u>O'Fallon</u>		<u>Raytown</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		351	100.0	1,122	100.0	316	100.0	342	100.0	1,071	100.0	369	100.0
Birth Weight: Under 2500 Grams		22	6.3	81	7.2	20	6.3	23	6.7	97	9.1	38	10.3
Birth Weight: Above 4499 Grams		2	0.6	17	1.5	5	1.6	1	0.3	14	1.3	3	0.8
Gest. Age: Less than 37 Weeks		31	8.8	95	8.5	27	8.6	41	12.0	110	10.3	43	11.7
APGAR (5 Min.): Less than 8		13	3.7	43	3.8	9	2.8	12	3.5	44	4.1	19	5.2
Infant Care: NICU Admission		23	6.6	104	9.3	19	6.0	30	8.8	83	7.7	39	10.6
Infant Care: Transfer		4	1.1	10	0.9	3	0.9	1	0.3	12	1.1	4	1.1
Place of Birth: At-Home Delivery		1	0.3	11	1.0	3	0.9	4	1.2	7	0.7	1	0.3
Method of Delivery: Cesarean		121	34.5	291	25.9	88	27.9	128	37.5	375	35.0	112	30.4
Infant Care: Breastfed		310	89.9	968	90.7	257	84.5	298	90.0	890	84.7	279	79.0
Mat. Smoking: During Preg.		6	1.7	64	5.7	48	15.4	16	4.8	77	7.3	60	16.4
...Quit Smoking During Preg.		3	50.0	19	29.7	16	33.3	6	37.5	23	29.9	16	26.7
Mat. Wt.: Underweight		8	2.3	36	3.3	13	4.2	11	3.3	27	2.5	13	3.6
Mat. Wt.: Obese		33	9.5	234	21.2	69	22.0	80	24.0	218	20.4	128	35.4
Mat. Sing. Wt. Gain: Low		17	5.6	85	8.9	16	5.9	45	15.7	72	7.9	47	15.5
Mat. Sing. Wt. Gain: High		47	15.5	218	22.8	72	26.5	47	16.4	199	21.7	66	21.8
Mother's Education: Under 12 Yrs.		7	2.0	42	3.7	23	7.3	15	4.4	44	4.1	46	12.6
Marital Status: Out-of-Wedlock		49	14.0	256	22.8	97	30.7	85	24.9	230	21.5	220	59.6
Live Birth Order: 4 or More		22	6.3	92	8.4	34	10.9	21	6.2	91	8.5	63	17.3
Birth Spacing: Less than 18 Mos.		20	10.4	50	8.0	20	11.0	11	6.7	57	9.7	31	15.0
Prenatal Care: 1st Trimester		280	85.9	860	81.1	223	73.6	245	77.3	828	82.0	251	71.5
Prenatal Care: 2nd Trimester		41	12.6	155	14.6	61	20.1	60	18.9	148	14.7	70	19.9
Prenatal Care: 3rd Trimester		5	1.5	34	3.2	15	5.0	10	3.2	28	2.8	27	7.7
Prenatal Care: None		0	0.0	12	1.1	4	1.3	2	0.6	6	0.6	3	0.9
Prenatal Care: Inadequate		29	8.9	137	13.4	49	16.6	44	13.9	102	10.1	81	23.8
Maternal Utilization: Medicaid		31	9.0	185	17.2	78	24.8	56	16.8	145	13.7	161	46.0
Maternal Utilization: WIC		23	6.6	156	14.1	57	18.6	64	20.9	127	12.2	175	48.3
Maternal Utilization: FSP		18	5.3	105	11.4	41	14.1	42	13.7	85	8.2	109	35.7
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0
	15-17	1	0.3	8	0.7	0	0.0	2	0.6	8	0.7	9	2.4
	18-19	9	2.6	33	2.9	17	5.4	4	1.2	15	1.4	21	5.7
	20-24	19	5.4	139	12.4	52	16.5	53	15.5	123	11.5	90	24.5
	25-29	71	20.2	350	31.2	97	30.7	112	32.7	328	30.6	115	31.3
	30-34	160	45.6	392	34.9	109	34.5	118	34.5	441	41.2	85	23.1
	35-39	79	22.5	169	15.1	37	11.7	46	13.5	136	12.7	42	11.4
	40 and over	12	3.4	31	2.8	4	1.3	7	2.0	19	1.8	6	1.6

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2016

		<u>St. Charles</u>		<u>St. Joseph</u>		<u>St. Louis City</u>		<u>St. Peters</u>		<u>Springfield</u>		<u>University City</u>	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births		720	100.0	1,019	100.0	4,321	100.0	593	100.0	2,082	100.0	501	100.0
Birth Weight: Under 2500 Grams		56	7.8	96	9.4	584	13.5	39	6.6	177	8.5	55	11.0
Birth Weight: Above 4499 Grams		9	1.3	9	0.9	29	0.7	5	0.8	29	1.4	5	1.0
Gest. Age: Less than 37 Weeks		82	11.4	86	8.4	546	12.6	55	9.3	199	9.6	65	13.0
APGAR (5 Min.): Less than 8		29	4.0	24	2.4	315	7.3	28	4.8	100	4.8	26	5.2
Infant Care: NICU Admission		62	8.6	65	6.4	358	8.3	47	7.9	191	9.2	43	8.6
Infant Care: Transfer		8	1.1	18	1.8	107	2.5	3	0.5	8	0.4	8	1.6
Place of Birth: At-Home Delivery		2	0.3	1	0.1	33	0.8	2	0.3	28	1.3	7	1.4
Method of Delivery: Cesarean		239	33.2	292	28.7	1,364	31.6	206	34.7	582	28.0	158	31.5
Infant Care: Breastfed		596	84.9	700	69.4	2,992	70.4	495	85.9	1,690	84.5	413	84.6
Mat. Smoking: During Preg.		83	11.7	258	25.5	519	12.2	53	9.0	427	20.8	25	5.1
...Quit Smoking During Preg.		15	18.1	53	20.5	126	24.3	17	32.1	96	22.5	9	36.0
Mat. Wt.: Underweight		22	3.1	33	3.3	157	3.7	17	2.9	109	5.4	16	3.3
Mat. Wt.: Obese		168	23.6	326	32.2	1,133	26.7	140	23.8	543	26.8	74	15.1
Mat. Sing. Wt. Gain: Low		74	12.1	178	19.5	488	13.9	39	7.4	228	12.6	37	8.8
Mat. Sing. Wt. Gain: High		153	25.1	162	17.7	675	19.2	111	21.1	481	26.6	71	16.9
Mother's Education: Under 12 Yrs.		44	6.1	202	19.9	673	15.7	27	4.6	316	15.3	20	4.0
Marital Status: Out-of-Wedlock		246	34.2	570	55.9	2,506	58.0	126	21.2	962	46.2	147	29.3
Live Birth Order: 4 or More		63	8.8	145	14.3	600	13.9	38	6.4	271	13.1	55	11.0
Birth Spacing: Less than 18 Mos.		35	9.2	76	12.6	337	14.6	23	7.0	155	13.7	22	9.0
Prenatal Care: 1st Trimester		548	80.2	731	73.5	2,669	71.2	477	85.6	1,191	64.5	330	76.6
Prenatal Care: 2nd Trimester		108	15.8	187	18.8	816	21.8	67	12.0	475	25.7	78	18.1
Prenatal Care: 3rd Trimester		23	3.4	65	6.5	161	4.3	12	2.2	124	6.7	20	4.6
Prenatal Care: None		4	0.6	11	1.1	100	2.7	1	0.2	57	3.1	3	0.7
Prenatal Care: Inadequate		87	12.8	186	18.7	967	26.3	43	7.7	469	27.8	65	15.4
Maternal Utilization: Medicaid		195	27.3	549	54.1	2,486	58.0	69	11.9	1,080	52.4	127	25.7
Maternal Utilization: WIC		168	23.9	489	48.6	1,985	47.1	65	11.1	1,115	55.2	106	21.8
Maternal Utilization: FSP		110	15.8	375	38.6	1,855	44.8	44	7.6	717	36.7	85	17.9
Mother's Age: At Delivery	Under 15	1	0.1	2	0.2	5	0.1	0	0.0	2	0.1	0	0.0
	15-17	5	0.7	21	2.1	76	1.8	0	0.0	42	2.0	6	1.2
	18-19	19	2.6	78	7.7	195	4.5	17	2.9	114	5.5	14	2.8
	20-24	117	16.3	315	30.9	1,036	24.0	62	10.5	624	30.0	61	12.2
	25-29	236	32.8	328	32.2	1,285	29.7	190	32.0	611	29.4	114	22.8
	30-34	219	30.5	195	19.1	1,144	26.5	232	39.1	466	22.4	194	38.7
	35-39	107	14.9	64	6.3	501	11.6	84	14.2	186	8.9	91	18.2
	40 and over	15	2.1	16	1.6	78	1.8	8	1.3	35	1.7	21	4.2

Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2016

		<u>Wentzville</u>		<u>Wildwood</u>	
		Number	Percent	Number	Percent
Live Births		532	100.0	258	100.0
Birth Weight: Under 2500 Grams		44	8.3	20	7.8
Birth Weight: Above 4499 Grams		5	0.9	4	1.6
Gest. Age: Less than 37 Weeks		56	10.5	29	11.2
APGAR (5 Min.): Less than 8		28	5.3	7	2.8
Infant Care: NICU Admission		39	7.3	17	6.6
Infant Care: Transfer		8	1.5	1	0.4
Place of Birth: At-Home Delivery		4	0.8	2	0.8
Method of Delivery: Cesarean		177	33.3	90	34.9
Infant Care: Breastfed		443	84.7	236	94.8
Mat. Smoking: During Preg.		40	7.6	3	1.2
...Quit Smoking During Preg.		15	37.5	0	0.0
Mat. Wt.: Underweight		12	2.3	8	3.1
Mat. Wt.: Obese		130	24.6	28	10.9
Mat. Sing. Wt. Gain: Low		48	10.7	16	7.1
Mat. Sing. Wt. Gain: High		97	21.7	42	18.8
Mother's Education: Under 12 Yrs.		20	3.8	4	1.6
Marital Status: Out-of-Wedlock		123	23.1	26	10.1
Live Birth Order: 4 or More		67	12.6	27	10.5
Birth Spacing: Less than 18 Mos.		37	10.8	8	4.8
Prenatal Care: 1st Trimester		417	82.7	206	83.7
Prenatal Care: 2nd Trimester		73	14.5	34	13.8
Prenatal Care: 3rd Trimester		11	2.2	5	2.0
Prenatal Care: None		3	0.6	1	0.4
Prenatal Care: Inadequate		55	11.1	20	8.3
Maternal Utilization: Medicaid		85	16.1	8	3.1
Maternal Utilization: WIC		68	13.0	8	3.2
Maternal Utilization: FSP		61	11.7	4	1.6
Mother's Age: At Delivery	Under 15	0	0.0	0	0.0
	15-17	3	0.6	1	0.4
	18-19	8	1.5	1	0.4
	20-24	54	10.2	10	3.9
	25-29	196	37.0	51	19.8
	30-34	198	37.4	113	43.8
	35-39	61	11.5	68	26.4
	40 and over	10	1.9	14	5.4

Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2016

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
State Total	5,249	1,352	3,897	688	212	476
Adair	16	5	11	3	2	1
Andrew	9	2	7	1	1	0
Atchison	3	1	2	1	1	0
Audrain	28	4	24	3	1	2
Barry	41	7	34	1	0	1
Barton	6	1	5	0	0	0
Bates	15	3	12	1	0	1
Benton	16	6	10	0	0	0
Bollinger	11	2	9	0	0	0
Boone	107	19	88	28	3	25
Buchanan	117	27	90	7	2	5
Butler	62	12	50	4	1	3
Caldwell	11	3	8	4	2	2
Callaway	40	14	26	5	3	2
Camden	26	10	16	2	2	0
Cape Girardeau	60	21	39	8	5	3
Carroll	7	1	6	2	1	1
Carter	9	3	6	0	0	0
Cass	79	28	51	13	7	6
Cedar	16	2	14	0	0	0
Chariton	7	1	6	1	0	1
Christian	48	4	44	6	2	4
Clark	4	0	4	1	0	1
Clay	155	35	120	28	10	18
Clinton	16	0	16	1	0	1
Cole	56	14	42	4	1	3
Cooper	5	3	2	0	0	0
Crawford	17	6	11	0	0	0
Dade	4	1	3	0	0	0

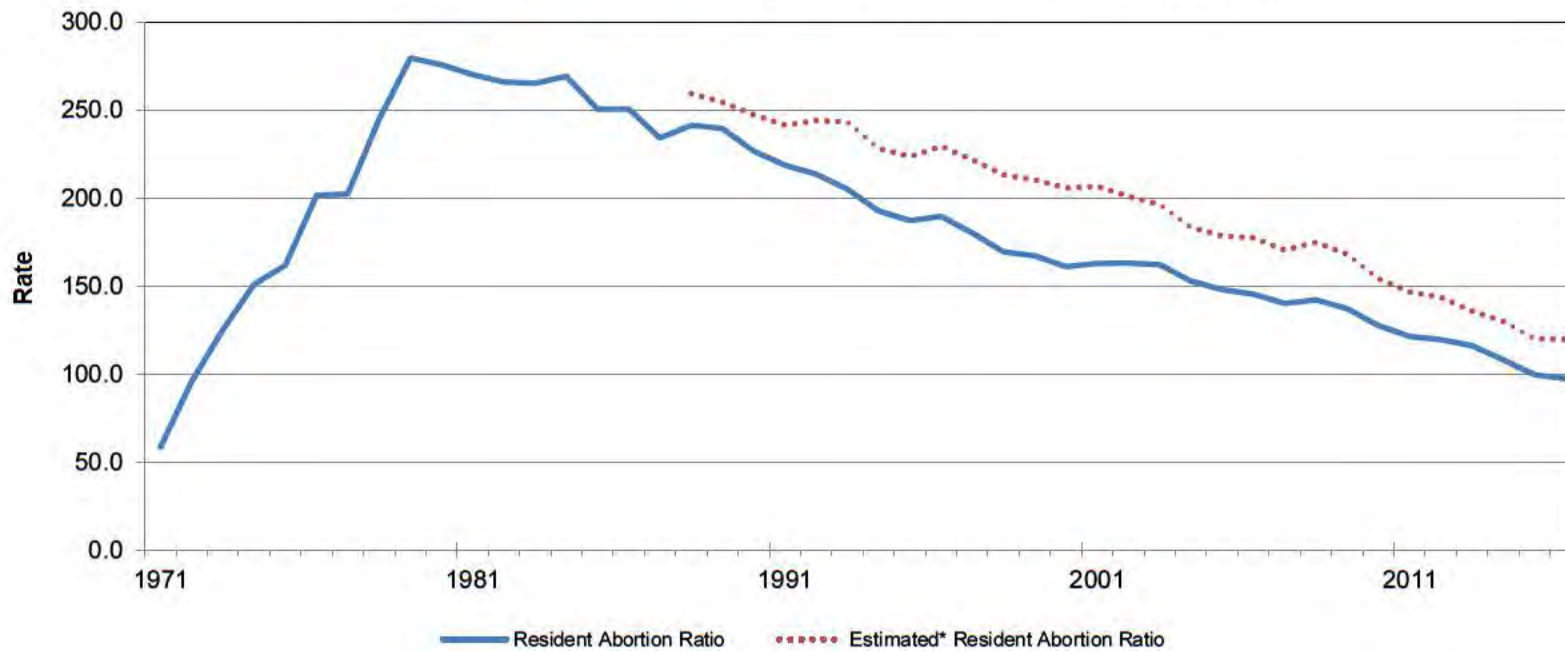
	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Dallas	20	8	12	1	1	0
Daviess	7	3	4	2	2	0
Dekalb	6	1	5	1	1	0
Dent	16	4	12	0	0	0
Douglas	20	6	14	0	0	0
Dunklin	63	17	46	2	0	2
Franklin	75	14	61	6	0	6
Gasconade	12	4	8	2	1	1
Gentry	5	2	3	0	0	0
Greene	258	62	196	33	3	30
Grundy	12	2	10	0	0	0
Harrison	10	3	7	0	0	0
Henry	25	9	16	4	3	1
Hickory	8	0	8	1	0	1
Howard	5	1	4	0	0	0
Howell	53	12	41	0	0	0
Iron	5	1	4	0	0	0
Jackson	747	205	542	107	31	76
Jasper	160	40	120	7	1	6
Jefferson	167	45	122	21	6	15
Johnson	33	9	24	7	0	7
Knox	2	1	1	0	0	0
Laclede	52	17	35	1	0	1
Lafayette	24	6	18	0	0	0
Lawrence	42	10	32	2	1	1
Lewis	10	2	8	1	0	1
Lincoln	52	10	42	8	2	6
Linn	11	0	11	2	0	2
Livingston	8	2	6	0	0	0
McDonald	51	13	38	2	1	1

Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2016

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Macon	13	5	8	2	1	1
Madison	15	5	10	0	0	0
Maries	11	4	7	2	2	0
Marion	21	4	17	2	1	1
Mercer	4	0	4	0	0	0
Miller	24	8	16	2	0	2
Mississippi	16	5	11	2	0	2
Moniteau	10	1	9	0	0	0
Monroe	11	4	7	0	0	0
Montgomery	10	3	7	1	0	1
Morgan	15	4	11	1	0	1
New Madrid	27	10	17	0	0	0
Newton	66	18	48	1	0	1
Nodaway	7	1	6	2	0	2
Oregon	14	1	13	0	0	0
Osage	4	2	2	1	0	1
Ozark	10	1	9	0	0	0
Pemiscot	32	9	23	1	1	0
Perry	12	3	9	0	0	0
Pettis	60	21	39	9	6	3
Phelps	28	4	24	4	0	4
Pike	15	4	11	0	0	0
Platte	53	14	39	16	5	11
Polk	30	6	24	0	0	0
Pulaski	45	12	33	4	1	3
Putnam	3	1	2	0	0	0
Ralls	5	1	4	0	0	0
Randolph	35	12	23	1	0	1
Ray	28	10	18	4	3	1
Reynolds	5	0	5	0	0	0

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Ripley	18	3	15	0	0	0
St. Charles	159	38	121	39	8	31
St. Clair	6	1	5	0	0	0
St. Francois	61	17	44	1	0	1
Ste. Genevieve	9	2	7	1	0	1
St. Louis City	339	100	239	63	19	44
St. Louis County	636	163	473	161	53	108
Saline	19	10	9	1	1	0
Schuyler	2	0	2	0	0	0
Scotland	5	1	4	0	0	0
Scott	47	10	37	1	1	0
Shannon	6	1	5	0	0	0
Shelby	4	0	4	0	0	0
Stoddard	25	5	20	1	0	1
Stone	33	7	26	2	2	0
Sullivan	8	2	6	1	0	1
Taney	69	17	52	5	3	2
Texas	21	8	13	1	1	0
Vernon	21	5	16	2	1	1
Warren	33	10	23	3	1	2
Washington	48	13	35	5	2	3
Wayne	15	5	10	0	0	0
Webster	57	11	46	4	2	2
Worth	1	1	0	0	0	0
Wright	23	4	19	3	0	3

Graph D. Resident Abortion Ratios per 1,000 Live Births: Missouri, 1971-2016



Source: 1971-1974 Centers for Disease Control; 1975-2016 Missouri Department of Health & Senior Services, Bureau of Vital Statistics.

Graph D Abortion Definitions:

Recorded: Abortions performed in a facility located in Missouri.

Resident: Abortions to Missouri residents regardless of where the abortions occurred as indicated on the individual record level data reports.

*Estimate Resident: Resident Abortions as defined above plus estimated Missouri resident counts from Illinois for 1988-2016 and Tennessee in 1997-2005. See Appendix under Vital Records for more information.

Table 12A. Resident Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2016

	Total	Weeks of Gestation								Unknown
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over	
State Total	7,275	4,088	1,451	740	361	200	265	70	100	0
Patient's Race										
White, Non-Hispanic	3,688	2,272	680	319	148	99	102	19	49	0
Black, Non-Hispanic	2,657	1,238	603	340	177	81	132	44	42	0
Other, Non-Hispanic	570	371	95	49	25	10	16	1	3	0
Unknown, Non-Hispanic	62	26	17	7	3	2	3	2	2	0
Hispanic, Any Race	298	181	56	25	8	8	12	4	4	0
Patient's Age										
Under 15	14	3	6	0	2	1	0	0	2	0
15	29	13	3	5	2	2	2	1	1	0
16	58	25	13	8	8	3	1	0	0	0
17	111	51	24	17	5	7	6	1	0	0
18	203	97	45	28	13	3	8	6	3	0
19	273	149	46	30	22	9	13	1	3	0
20-24	2,254	1,213	448	258	114	74	94	23	30	0
25-29	2,109	1,179	451	206	110	51	65	19	28	0
30-34	1,279	743	271	114	46	27	46	11	21	0
35-39	719	457	120	56	30	17	23	6	10	0
40 and Over	226	158	24	18	9	6	7	2	2	0
Unknown	0	0	0	0	0	0	0	0	0	0
Type of Procedure										
Curettage	3,522	1,643	964	737	173	3	2	0	0	0
Intrauterine Instillation	1	0	0	0	0	0	1	0	0	0
Hysterotomy/Hysterectomy	1	0	0	0	0	1	0	0	0	0
Laminaria D & E	807	1	0	2	187	196	255	69	97	0
Medical/Nonsurgical	2,931	2,434	485	0	1	0	7	1	3	0
Unknown	2	1	1	0	0	0	0	0	0	0
Other	11	9	1	1	0	0	0	0	0	0

Table 12B. Recorded Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2016

	Total	Weeks of Gestation								Unknown
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over	
State Total	4,562	2,224	1,015	534	259	150	214	57	109	0
Patient's Race										
White, Non-Hispanic	2,127	1,144	439	219	108	71	78	13	55	0
Black, Non-Hispanic	1,942	803	464	277	134	67	112	40	45	0
Other, Non-Hispanic	292	175	64	20	11	6	12	1	3	0
Unknown, Non-Hispanic	73	32	20	7	4	2	4	2	2	0
Hispanic, Any Race	128	70	28	11	2	4	8	1	4	0
Patient's Age										
Under 15	8	0	3	0	2	1	0	0	2	0
15	18	6	3	4	1	1	2	0	1	0
16	41	19	7	6	6	2	1	0	0	0
17	66	25	17	12	2	6	4	0	0	0
18	145	63	35	20	11	2	6	6	2	0
19	181	90	31	20	18	8	11	1	2	0
20-24	1,475	675	318	198	93	56	80	22	33	0
25-29	1,339	643	325	158	73	42	54	13	31	0
30-34	731	364	179	73	28	20	31	10	26	0
35-39	438	263	81	33	22	9	17	4	9	0
40 and Over	120	76	16	10	3	3	8	1	3	0
Unknown	0	0	0	0	0	0	0	0	0	0
Type of Procedure										
Curettage	2,707	1,247	775	534	148	2	1	0	0	0
Intrauterine Instillation	1	0	0	0	0	0	1	0	0	0
Hysterotomy/Hysterectomy	1	0	0	0	0	1	0	0	0	0
Laminaria D & E	626	1	0	0	111	147	205	56	106	0
Medical/Nonsurgical	1,226	976	239	0	0	0	7	1	3	0
Unknown	1	0	1	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0

Table 13. Resident Abortions by Age, Marital Status, and Education by Race and Hispanic Origin: Missouri, 2016

	Total	Patient's Race				
		White, Non-Hispanic	Black, Non-Hispanic	Other, Non-Hispanic	Unknown, Non-Hispanic	Hispanic, Any Race
<u>State Total</u>	7,275	3,688	2,657	570	62	298
<u>Patient's Age</u>						
Under 15	14	7	7	0	0	0
15	29	19	9	1	0	0
16	58	33	22	2	0	1
17	111	54	41	9	1	6
18	203	113	65	13	3	9
19	273	149	92	18	1	13
20-24	2,254	1,104	846	177	25	102
25-29	2,109	999	864	160	14	72
30-34	1,279	667	446	100	8	58
35-39	719	404	215	65	8	27
40 and Over	226	139	50	25	2	10
<u>Marital Status</u>						
Never Married	3,306	1,366	1,643	166	44	87
Currently Married	1,015	680	134	143	13	45
Formerly Married	167	136	21	3	2	5
Unmarried, Unspecified	2,684	1,450	825	250	0	159
Unknown	103	56	34	8	3	2
<u>Years of Education</u>						
0-8	199	63	79	41	2	14
9-11	672	311	276	43	6	36
12	2,697	1,201	1,227	144	33	92
13-15	1,986	1,079	633	163	8	103
16 or More	1,110	709	250	116	12	23
Unknown	611	325	192	63	1	30

Table 14. Resident Abortions and Ratios per 1,000 Live Births by County and BRFSS Region of Residence: Missouri, 2016

Counties	Number	Ratio
State Total	7,275	97.4
Adair	8	29.4
Andrew	11	60.1
Atchison	4	75.5
Audrain	14	39.1
Barry	6	14.3
Barton	0	0.0
Bates	12	70.6
Benton	5	31.6
Bollinger	1	8.8
Boone	236	112.8
Buchanan	96	83.2
Butler	18	31.3
Caldwell	7	73.7
Callaway	29	62.5
Camden	26	68.2
Cape Girardeau	44	49.1
Carroll	6	55.0
Carter	3	36.6
Cass	88	71.8
Cedar	2	10.2
Chariton	3	36.6
Christian	49	49.0
Clark	1	13.3
Clay	348	116.7
Clinton	13	51.0
Cole	84	89.5
Cooper	7	36.5
Crawford	6	22.6
Dade	0	0.0
Dallas	7	32.9
Daviess	7	63.6

Counties	Number	Ratio
DeKalb	3	24.4
Dent	5	30.1
Douglas	2	13.0
Dunklin	14	33.0
Franklin	69	55.2
Gasconade	4	25.3
Gentry	2	23.0
Greene	275	76.9
Grundy	2	13.1
Harrison	4	36.0
Henry	14	54.1
Hickory	13	160.5
Holt	3	53.6
Howard	11	94.8
Howell	13	26.8
Iron	1	9.7
Jackson	1,658	176.1
Jasper	54	32.4
Jefferson	144	54.6
Johnson	49	69.9
Knox	1	20.8
Laclede	16	31.1
Lafayette	21	58.0
Lawrence	11	20.9
Lewis	2	17.7
Lincoln	38	51.1
Linn	8	64.0
Livingston	2	12.3
Macon	9	56.3
Madison	5	33.3
Maries	5	69.4
Marion	11	31.6

Counties	Number	Ratio
McDonald	4	10.8
Mercer	0	0.0
Miller	14	46.5
Mississippi	8	54.8
Moniteau	2	10.4
Monroe	9	80.4
Montgomery	5	40.3
Morgan	6	23.6
New Madrid	3	13.0
Newton	10	14.1
Nodaway	15	62.5
Oregon	4	33.9
Osage	5	27.5
Ozark	3	35.3
Pemiscot	11	43.0
Perry	6	27.4
Pettis	31	57.9
Phelps	26	52.4
Pike	5	23.3
Platte	146	117.6
Polk	10	26.0
Pulaski	40	50.0
Putnam	0	0.0
Ralls	1	9.9
Randolph	15	50.5
Ray	21	83.3
Reynolds	0	0.0
Ripley	2	11.4
Saline	20	84.0
Schuyler	0	0.0
Scotland	0	0.0
Scott	18	37.3

Counties	Number	Ratio
Shannon	1	11.2
Shelby	0	0.0
St. Charles	386	86.0
St. Clair	1	8.5
St. Francois	31	44.1
St. Louis City	926	214.3
St. Louis County	1,692	144.9
Ste. Genevieve	8	41.7
Stoddard	9	29.2
Stone	8	32.4
Sullivan	1	11.8
Taney	33	50.1
Texas	5	16.6
Vernon	17	71.7
Warren	28	65.9
Washington	9	31.0
Wayne	0	0.0
Webster	10	17.1
Worth	0	0.0
Wright	9	33.5

BRFSS Regions	Number	Ratio
Northeast	98	33.4
Northwest	200	67.8
Central	572	66.5
Southeast	219	32.4
Southwest	529	45.6
St. Louis Region	3,292	127.5
Kansas City Region	2,314	144.7
Metro	6,544	115.5
Non-Metro	680	37.8

Table 15. Resident Abortions by Marital Status, Number of Living Children, and Number of Previous Abortions by Age of Patient: Missouri, 2016

	Total	Patient's Age								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over
<u>State Total</u>	7,275	14	198	476	2,254	2,109	1,279	719	218	8
<u>Marital Status</u>										
Never Married	3,306	8	114	275	1,237	988	444	208	29	3
Currently Married	1,015	0	1	16	115	275	277	237	92	2
Formerly Married	167	0	0	0	10	34	56	45	21	1
Unmarried, Unspecified	2,684	6	79	172	871	782	482	217	73	2
Unknown	103	0	4	13	21	30	20	12	3	0
<u>Number of Living Children</u>										
0	2,781	14	190	393	1,208	614	246	88	28	0
1	1,920	0	8	74	668	625	334	170	40	1
2	1,470	0	0	9	281	524	365	223	66	2
3	679	0	0	0	78	229	180	146	43	3
4	262	0	0	0	16	85	85	54	20	2
5	98	0	0	0	2	19	38	24	15	0
6+	65	0	0	0	1	13	31	14	6	0
<u>Number of Previous Abortions</u>										
0	4,575	13	193	436	1,645	1,178	635	354	116	5
1	1,740	1	5	37	460	597	363	217	58	2
2	650	0	0	3	109	230	181	99	27	1
3	195	0	0	0	30	70	54	33	8	0
4	73	0	0	0	9	22	28	11	3	0
5	20	0	0	0	0	3	12	3	2	0
6+	22	0	0	0	1	9	6	2	4	0

Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2016

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
State Total	6,093,000	74,664	59,824	14,840	75,863	61,888	12.3	9.8	2.4
Adair	25,359	272	209	63	521	215	10.7	8.2	2.5
Andrew	17,350	183	178	5	3	130	10.5	10.3	0.3
Atchison	5,293	53	74	-21	36	49	10.0	14.0	-4.0
Audrain	26,021	358	299	59	329	302	13.8	11.5	2.3
Barry	35,732	419	439	-20	267	327	11.7	12.3	-0.6
Barton	11,908	128	138	-10	5	98	10.7	11.6	-0.8
Bates	16,417	170	209	-39	10	166	10.4	12.7	-2.4
Benton	18,839	158	297	-139	4	218	8.4	15.8	-7.4
Bollinger	12,052	114	142	-28	2	81	9.5	11.8	-2.3
Boone	176,594	2,092	1,039	1,053	3,986	1,978	11.8	5.9	6.0
Buchanan	88,938	1,154	897	257	1,593	1,063	13.0	10.1	2.9
Butler	42,739	576	509	67	1,456	629	13.5	11.9	1.6
Caldwell	9,062	95	99	-4	4	63	10.5	10.9	-0.4
Callaway	45,078	464	399	65	5	240	10.3	8.9	1.4
Camden	44,497	381	496	-115	600	502	8.6	11.1	-2.6
Cape Girardeau	78,913	896	863	33	1,951	1,452	11.4	10.9	0.4
Carroll	8,913	109	117	-8	0	84	12.2	13.1	-0.9
Carter	6,168	82	86	-4	2	55	13.3	13.9	-0.6
Cass	102,845	1,225	932	293	19	684	11.9	9.1	2.8
Cedar	14,016	196	214	-18	30	151	14.0	15.3	-1.3
Chariton	7,516	82	88	-6	2	82	10.9	11.7	-0.8
Christian	84,401	999	596	403	7	383	11.8	7.1	4.8
Clark	6,723	75	86	-11	2	46	11.2	12.8	-1.6
Clay	239,085	2,981	1,703	1,278	2,820	2,005	12.5	7.1	5.3
Clinton	20,610	255	250	5	143	300	12.4	12.1	0.2
Cole	76,631	939	680	259	1,581	822	12.3	8.9	3.4
Cooper	17,712	192	213	-21	0	172	10.8	12.0	-1.2
Crawford	24,302	265	324	-59	278	263	10.9	13.3	-2.4
Dade	7,631	71	107	-36	0	68	9.3	14.0	-4.7
Dallas	16,448	213	205	8	13	146	12.9	12.5	0.5
Daviess	8,209	110	96	14	36	58	13.4	11.7	1.7
DeKalb	12,613	123	116	7	1	71	9.8	9.2	0.6
Dent	15,387	166	213	-47	5	158	10.8	13.8	-3.1
Douglas	13,358	154	183	-29	7	143	11.5	13.7	-2.2
Dunklin	30,535	424	423	1	370	323	13.9	13.9	0.0
Franklin	102,838	1,249	1,055	194	864	931	12.1	10.3	1.9
Gasconade	14,808	158	194	-36	0	156	10.7	13.1	-2.4
Gentry	6,661	87	92	-5	17	85	13.1	13.8	-0.8

Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2016

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Greene	288,690	3,577	2,875	702	6,636	4,185	12.4	10.0	2.4
Grundy	10,165	153	139	14	209	121	15.1	13.7	1.4
Harrison	8,556	111	119	-8	3	90	13.0	13.9	-0.9
Henry	21,594	259	282	-23	369	219	12.0	13.1	-1.1
Hickory	9,269	81	153	-72	5	103	8.7	16.5	-7.8
Holt	4,448	56	57	-1	3	39	12.6	12.8	-0.2
Howard	10,058	116	100	16	1	64	11.5	9.9	1.6
Howell	40,210	485	494	-9	636	570	12.1	12.3	-0.2
Iron	10,022	103	146	-43	1	92	10.3	14.6	-4.3
Jackson	691,801	9,414	6,142	3,272	11,043	7,452	13.6	8.9	4.7
Jasper	119,111	1,668	1,197	471	12	718	14.0	10.0	4.0
Jefferson	224,226	2,637	2,070	567	435	1,534	11.8	9.2	2.5
Johnson	53,942	701	442	259	693	382	13.0	8.2	4.8
Knox	3,934	48	50	-2	11	25	12.2	12.7	-0.5
Laclede	35,490	515	425	90	356	343	14.5	12.0	2.5
Lafayette	32,618	362	393	-31	4	276	11.1	12.0	-1.0
Lawrence	38,381	526	479	47	270	365	13.7	12.5	1.2
Lewis	10,134	113	121	-8	6	83	11.2	11.9	-0.8
Lincoln	55,267	744	502	242	1	350	13.5	9.1	4.4
Linn	12,164	125	173	-48	3	113	10.3	14.2	-3.9
Livingston	15,235	163	202	-39	227	182	10.7	13.3	-2.6
Macon	15,170	160	183	-23	8	169	10.5	12.1	-1.5
Madison	12,443	150	164	-14	0	114	12.1	13.2	-1.1
Maries	8,858	72	106	-34	0	62	8.1	12.0	-3.8
Marion	28,894	348	340	8	582	386	12.0	11.8	0.3
McDonald	22,620	370	227	143	9	131	16.4	10.0	6.3
Mercer	3,699	47	51	-4	7	32	12.7	13.8	-1.1
Miller	25,206	301	266	35	2	169	11.9	10.6	1.4
Mississippi	13,799	146	170	-24	0	107	10.6	12.3	-1.7
Moniteau	16,018	192	152	40	20	118	12.0	9.5	2.5
Monroe	8,558	112	106	6	7	56	13.1	12.4	0.7
Montgomery	11,620	124	163	-39	1	140	10.7	14.0	-3.4
Morgan	20,213	254	336	-82	88	239	12.6	16.6	-4.1
New Madrid	17,915	231	249	-18	1	153	12.9	13.9	-1.0
Newton	58,694	707	642	65	3,143	1,482	12.0	10.9	1.1
Nodaway	22,670	240	186	54	295	177	10.6	8.2	2.4
Oregon	10,789	118	151	-33	6	81	10.9	14.0	-3.1
Osage	13,664	182	122	60	2	61	13.3	8.9	4.4
Ozark	9,237	85	129	-44	3	73	9.2	14.0	-4.8

Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2016

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Pemiscot	17,073	256	237	19	1	175	15.0	13.9	1.1
Perry	19,285	219	218	1	126	186	11.4	11.3	0.1
Pettis	42,213	535	445	90	487	379	12.7	10.5	2.1
Phelps	44,608	496	494	2	841	509	11.1	11.1	0.0
Pike	18,438	215	204	11	11	149	11.7	11.1	0.6
Platte	98,309	1,242	691	551	856	518	12.6	7.0	5.6
Polk	31,285	384	329	55	544	349	12.3	10.5	1.8
Pulaski	52,654	800	320	480	443	205	15.2	6.1	9.1
Putnam	4,853	62	80	-18	77	52	12.8	16.5	-3.7
Ralls	10,224	101	110	-9	1	48	9.9	10.8	-0.9
Randolph	24,989	297	295	2	3	227	11.9	11.8	0.1
Ray	22,754	252	281	-29	6	162	11.1	12.3	-1.3
Reynolds	6,455	49	72	-23	0	51	7.6	11.2	-3.6
Ripley	13,817	175	169	6	2	101	12.7	12.2	0.4
Saline	22,980	238	255	-17	235	220	10.4	11.1	-0.7
Schuyler	4,394	71	46	25	11	24	16.2	10.5	5.7
Scotland	4,932	90	66	24	160	66	18.2	13.4	4.9
Scott	38,745	482	461	21	391	422	12.4	11.9	0.5
Shannon	8,168	89	89	0	4	51	10.9	10.9	0.0
Shelby	6,082	80	85	-5	2	59	13.2	14.0	-0.8
St. Charles	390,918	4,487	2,839	1,648	2,550	2,771	11.5	7.3	4.2
St. Clair	9,272	117	151	-34	7	111	12.6	16.3	-3.7
St. Francois	66,627	703	747	-44	735	599	10.6	11.2	-0.7
St. Louis City	311,404	4,321	3,016	1,305	3,392	4,593	13.9	9.7	4.2
St. Louis County	998,581	11,673	10,002	1,671	21,448	11,496	11.7	10.0	1.7
Ste. Genevieve	18,030	192	192	0	182	129	10.6	10.6	0.0
Stoddard	29,588	308	383	-75	5	264	10.4	12.9	-2.5
Stone	31,047	247	404	-157	3	269	8.0	13.0	-5.1
Sullivan	6,262	85	57	28	0	40	13.6	9.1	4.5
Taney	54,735	659	590	69	593	598	12.0	10.8	1.3
Texas	25,775	302	297	5	220	221	11.7	11.5	0.2
Vernon	20,723	237	237	0	297	193	11.4	11.4	0.0
Warren	33,802	425	300	125	4	175	12.6	8.9	3.7
Washington	24,839	290	301	-11	0	203	11.7	12.1	-0.4
Wayne	13,139	142	187	-45	4	106	10.8	14.2	-3.4
Webster	38,106	585	326	259	137	225	15.4	8.6	6.8
Worth	2,024	25	37	-12	0	23	12.4	18.3	-5.9
Wright	18,286	269	246	23	18	163	14.7	13.5	1.3

**Table 16B. Resident and Recorded Live Births, Deaths, and Natural Increase
with Rates by Cities with Over 25,000 Population: Missouri, 2016**

Cities with Population 25,000+	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Ballwin	30,313	324	236	88	0	265	10.7	7.8	2.9
Blue Springs	54,431	694	362	332	0	351	12.8	6.7	6.1
Cape Girardeau	39,628	436	476	-40	1,945	1,247	11.0	12.0	-1.0
Chesterfield	47,659	376	519	-143	1,886	966	7.9	10.9	-3.0
Columbia	120,612	1,388	649	739	3,982	1,847	11.5	5.4	6.1
Florissant	51,776	632	559	73	1	754	12.2	10.8	1.4
Gladstone	27,114	312	254	58	6	77	11.5	9.4	2.1
Hazelwood	25,443	366	209	157	1	69	14.4	8.2	6.2
Independence	117,030	1,535	1,348	187	1,405	1,294	13.1	11.5	1.6
Jefferson City	43,013	551	449	102	1,559	794	12.8	10.4	2.4
Kirkwood	27,609	351	289	62	0	131	12.7	10.5	2.2
Lee's Summit	96,076	1,122	688	434	2,133	893	11.7	7.2	4.5
Liberty	30,614	316	205	111	1,110	423	10.3	6.7	3.6
Maryland Heights	27,137	342	227	115	0	238	12.6	8.4	4.2
O'Fallon	86,274	1,071	546	525	876	470	12.4	6.3	6.1
Raytown	29,261	369	396	-27	1	240	12.6	13.5	-0.9
St. Charles	69,293	720	665	55	732	1,082	10.4	9.6	0.8
St. Joseph	76,472	1,019	758	261	1,592	1,027	13.3	9.9	3.4
St. Louis City	311,404	4,321	3,016	1,305	3,392	4,593	13.9	9.7	4.2
St. Peters	57,289	593	443	150	0	594	10.4	7.7	2.6
Springfield	167,319	2,082	1,834	248	6,625	3,833	12.4	11.0	1.5
University City	34,706	501	340	161	1	129	14.4	9.8	4.6
Wentzville	37,395	532	218	314	0	194	14.2	5.8	8.4
Wildwood	35,756	258	152	106	0	50	7.2	4.3	3.0

Table 16C. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Multi-County Cities: Missouri, 2016

Multi-County Cities	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Joplin	52,195	671	554	117	3,131	1,506	12.9	10.6	2.2
...Jasper Co. Part	45,060	609	475	134	0	321	13.5	10.5	3.0
...Newton Co. Part	7,135	62	79	-17	3,131	1,185	8.7	11.1	-2.4
Kansas City	481,420	6,998	3,791	3,207	8,225	5,110	14.5	7.9	6.7
...Jackson Co. Part	311,095	4,532	2,711	1,821	7,392	4,404	14.6	8.7	5.9
...Clay Co. Part	122,690	1,804	730	1,074	0	372	14.7	5.9	8.8
...Platte Co. Part	47,437	661	347	314	833	334	13.9	7.3	6.6
...Cass Co. Part	198	1	3	-2	0	0	5.1	15.2	-10

Table 17A. Resident Live Births and Deaths by Cities with 10,000 to 24,999 Population: Missouri, 2016

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Arnold	222	243
Bellefontaine Neighbors	130	191
Belton	355	201
Bolivar	137	127
Branson	173	151
Bridgeton	117	172
Carthage	277	170
Clayton	98	69
Crestwood	132	139
Creve Coeur	154	211
Dardenne Prairie	85	88
Eureka	112	102
Excelsior Springs	124	156
Farmington	167	197
Ferguson	288	205
Festus	177	146
Fulton	132	141
Grain Valley	221	70
Grandview	408	205
Hannibal	233	223
Harrisonville	128	148
Jackson	180	167
Jennings	204	153
Kennett	155	149
Kirksville	188	153
Lake St. Louis	144	91
Lebanon	267	179
Manchester	211	113
Marshall	141	153
Maryville	108	95
Mexico	158	158
Moberly	173	194
Neosho	198	131
Nixa	262	157
Overland	236	139
Ozark	288	168

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Poplar Bluff	281	239
Raymore	245	191
Republic	251	107
Rolla	242	199
St. Ann	176	119
Sedalia	309	271
Sikeston	218	208
Town and Country	60	130
Troy	191	147
Union	182	108
Warrensburg	213	136
Washington	186	172
Webb City	189	105
Webster Groves	271	267
West Plains	193	173

Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2016

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ashland	63	44
Aurora	111	85
Ava	45	65
Battlefield	89	29
Bel-Ridge	46	21
Berkeley	154	77
Bethany	42	56
Black Jack	78	108
Bonne Terre	50	76
Boonville	90	115
Bowling Green	63	65
Breckenridge Hills	82	34
Brentwood	113	50
Brookfield	39	64
Buckner	44	32
Buffalo	41	62
Butler	48	74
Byrnes Mill	30	23
California	49	55
Camdenton	55	47
Cameron	100	145
Carl Junction	92	54
Carrollton	47	57
Caruthersville	85	72
Cassville	33	61
Centralia	66	57
Chaffee	42	48
Charleston	52	62
Chillicothe	108	162
Clarkson Valley	10	15
Clinton	119	130
Cottleville	51	16
Crystal City	6	4
Cuba	53	49
Dellwood	75	40
Deslodge	61	65

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
De Soto	99	104
Des Peres	84	71
Dexter	92	115
East Prairie	46	35
Eldon	64	64
El Dorado Springs	60	69
Ellisville	94	127
Fayette	23	22
Fenton	29	34
Fredricktown	65	68
Frontenac	28	26
Glendale	69	37
Green Park	34	51
Greenwood	90	16
Hayti	29	56
Herculaneum	55	56
Higginsville	50	67
Hillsboro	47	20
Hollister	57	56
Holts Summit	57	31
Kearney	107	58
Knob Noster	52	20
Ladue	75	53
Lamar	57	67
Lexington	64	70
Licking	27	26
Louisiana	41	48
Macon	61	99
Malden	63	76
Maplewood	116	63
Marshfield	108	82
Monett	138	107
Monroe City	40	29
Montgomery City	44	27
Moscow Mills	47	32
Mountain Grove	73	87

Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2016

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Mountain View	36	53
Mount Vernon	74	118
Nevada	111	141
New Madrid	47	48
Normandy	63	49
North Kansas City	56	34
Northwoods	28	64
Oak Grove	92	60
Odessa	65	66
Olivette	82	51
Osage Beach	42	70
Owensville	35	49
Pacific	75	78
Pagedale	48	43
Palmyra	44	54
Park Hills	120	79
Parkville	71	26
Peculiar	67	27
Perryville	120	138
Pevely	90	50
Pine Lawn	53	43
Platte City	71	43
Pleasant Hill	118	66
Pleasant Valley	34	33
Portageville	48	41
Potosi	38	50
Richmond	76	112
Richmond Heights	103	74
Riverside	63	46
Riverview	45	24
Rock Hill	92	26
Rogersville	68	27
St. Clair	82	56
Ste. Genevieve	52	46
St. James	48	78
St. John	75	66

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
St. Robert	66	29
Salem	76	76
Savannah	60	71
Scott City	67	48
Shrewsbury	79	95
Smithville	78	73
Sugar Creek	44	42
Sullivan	100	103
Sunset Hills	65	136
Tipton	21	33
Trenton	89	103
Valley Park	101	95
Vandalia	35	57
Warrenton	109	88
Waynesville	91	45
Weldon Spring	26	79
Willard	87	47
Windsor	36	38
Woodson Terrace	52	47
Wright City	77	24

Table 18. Twelve Leading Causes of Death by Race and Death Rates per 100,000 Residents: Missouri, 2016

Race	Causes of Death	Number	Crude Rate	Age-Adjusted Rate	Percent Of Total
Total (All Races)	1. Diseases of heart	14,569	239.1	192.0	24.4
	2. Malignant neoplasms	12,691	208.3	166.9	21.2
	3. Chronic lower respiratory disease	3,960	65.0	52.1	6.6
	4. Unintentional injuries	3,610	59.2	56.8	6.0
	5. Cerebrovascular diseases	3,063	50.3	40.3	5.1
	6. Alzheimer's disease	2,302	37.8	30.0	3.8
	7. Diabetes mellitus	1,508	24.7	20.1	2.5
	8. Nephritis and nephrosis	1,481	24.3	19.6	2.5
	9. Influenza and pneumonia	1,149	18.9	15.1	1.9
	10. Suicide	1,132	18.6	18.3	1.9
	11. Septicemia	821	13.5	10.9	1.4
	12. Chronic liver disease and cirrhosis	658	10.8	9.0	1.1
	All other causes	12,880	211.4	176.4	21.5
	Total (All Causes)	59,824	981.8	807.5	100.0

Table 18. Twelve Leading Causes of Death by Race and Death Rates per 100,000 Residents: Missouri, 2016

Race	Causes of Death	Number	Percent Of Total
White, Non-Hispanic	1. Diseases of heart	12,913	24.7
	2. Malignant neoplasms	11,160	21.3
	3. Chronic lower respiratory disease	3,676	7.0
	4. Unintentional injuries	2,993	5.7
	5. Cerebrovascular diseases	2,653	5.1
	6. Alzheimer's disease	2,140	4.1
	7. Diabetes mellitus	1,251	2.4
	8. Nephritis and nephrosis	1,204	2.3
	9. Influenza and pneumonia	1,046	2.0
	10. Suicide	1,003	1.9
	11. Septicemia	683	1.3
	12. Chronic liver disease and cirrhosis	583	1.1
	All other causes	10,985	21.0
	Total (All Causes)	52,290	100.0

Black, Non-Hispanic	1. Diseases of heart	1,436	22.7
	2. Malignant neoplasms	1,289	20.4
	3. Unintentional injuries	502	7.9
	4. Homicide	342	5.4
	5. Cerebrovascular diseases	340	5.4
	6. Chronic lower respiratory disease	244	3.9
	7. Nephritis and nephrosis	232	3.7
	8. Diabetes mellitus	222	3.5
	9. Alzheimer's disease	140	2.2
	10. Septicemia	114	1.8
	11. Influenza and pneumonia	80	1.3
	12. Conditions orig. in perinatal period	70	1.1
	All other causes	1,306	20.7
	Total (All Causes)	6,317	100.0

Race	Causes of Death	Number	Percent Of Total
Other Races	1. Malignant neoplasms	138	20.1
	2. Diseases of heart	122	17.8
	3. Unintentional injuries	66	9.6
	4. Cerebrovascular diseases	44	6.4
	5. Suicide	38	5.5
	6. Chronic lower respiratory disease	30	4.4
	7. Nephritis and nephrosis	26	3.8
	8. Diabetes mellitus	23	3.4
	9. Alzheimer's disease	15	2.2
	9. Conditions orig. in perinatal period	15	2.2
	9. Influenza and pneumonia	15	2.2
	12. Homicide	12	1.7
	All other causes	142	20.7
	Total (All Causes)	686	100.0

Hispanic, Any Race	1. Malignant neoplasms	98	19.6
	2. Diseases of heart	92	18.4
	3. Unintentional injuries	45	9.0
	4. Cerebrovascular diseases	26	5.2
	4. Suicide	26	5.2
	6. Homicide	18	3.6
	7. Chronic liver disease and cirrhosis	16	3.2
	7. Nephritis and nephrosis	16	3.2
	9. Congenital anomalies	12	2.4
	9. Diabetes mellitus	12	2.4
	9. Septicemia	12	2.4
	12. Chronic lower respiratory disease	9	1.8
	12. Conditions orig. in perinatal period	9	1.8
	All other causes	110	22.0
	Total (All Causes)	501	100.0

Table 19. Five Leading Causes of Death and Percentages for Selected Resident Age Groups: Missouri, 2016

Age Group	Causes of Death	Number	Percent Of Total
Under 1 year	1. Conditions orig. in perinatal period	228	46.5
	2. Congenital anomalies	107	21.8
	3. Unintentional injuries	64	13.1
	4. Homicide	12	2.4
	5. Diseases of heart	9	1.8
	Total (All Causes)	490	100.0
1-4 years	1. Unintentional injuries	33	34.4
	2. Congenital anomalies	9	9.4
	3. Homicide	7	7.3
	3. Malignant neoplasms	7	7.3
	5. Benign/in situ neoplasms	3	3.1
	Total (All Causes)	96	100.0
5-14 years	1. Unintentional injuries	31	30.4
	2. Suicide	12	11.8
	3. Homicide	11	10.8
	3. Malignant neoplasms	11	10.8
	5. Congenital anomalies	10	9.8
	Total (All Causes)	102	100.0
15-24 years	1. Unintentional injuries	343	43.1
	2. Suicide	158	19.8
	3. Homicide	140	17.6
	4. Diseases of heart	21	2.6
	5. Malignant neoplasms	19	2.4
	Total (All Causes)	796	100.0
25-34 years	1. Unintentional injuries	514	39.9
	2. Suicide	213	16.5
	3. Homicide	166	12.9
	4. Diseases of heart	79	6.1
	5. Malignant neoplasms	61	4.7
	Total (All Causes)	1,288	100.0
35-44 years	1. Unintentional injuries	525	30.2
	2. Diseases of heart	275	15.8
	3. Malignant neoplasms	189	10.9
	4. Suicide	179	10.3
	5. Homicide	112	6.4
	Total (All Causes)	1,737	100.0

Age Group	Causes of Death	Number	Percent Of Total
45-54 years	1. Malignant neoplasms	862	23.2
	2. Diseases of heart	851	22.9
	3. Unintentional injuries	466	12.5
	4. Suicide	220	5.9
	5. Chronic lower respiratory disease	124	3.3
	Total (All Causes)	3,721	100.0
55-64 years	1. Malignant neoplasms	2,548	31.4
	2. Diseases of heart	1,846	22.8
	3. Chronic lower respiratory disease	543	6.7
	4. Unintentional injuries	439	5.4
	5. Diabetes mellitus	262	3.2
	Total (All Causes)	8,114	100.0
65-74 years	1. Malignant neoplasms	3,566	31.7
	2. Diseases of heart	2,636	23.4
	3. Chronic lower respiratory disease	1,075	9.6
	4. Cerebrovascular diseases	489	4.3
	5. Diabetes mellitus	362	3.2
	Total (All Causes)	11,245	100.0
75-84 years	1. Diseases of heart	3,433	23.9
	2. Malignant neoplasms	3,359	23.4
	3. Chronic lower respiratory disease	1,269	8.8
	4. Cerebrovascular diseases	836	5.8
	5. Alzheimer's disease	647	4.5
	Total (All Causes)	14,341	100.0
85 years & over	1. Diseases of heart	5,413	30.3
	2. Malignant neoplasms	2,068	11.6
	3. Alzheimer's disease	1,509	8.4
	4. Cerebrovascular diseases	1,315	7.3
	5. Chronic lower respiratory disease	906	5.1
	Total (All Causes)	17,894	100.0

Table 20. Resident Deaths with Age-Specific Rates per 1,000 Residents By Age Groups By Sex and Race: Missouri, 2016

Age at Death	<u>Age-Specific Rate</u>			<u>All Races</u>			<u>White, Non-Hispanic</u>			<u>Black, Non-Hispanic</u>		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	9.8	10.2	9.5	59,824	30,412	29,412	52,290	26,389	25,901	6,317	3,337	2,980
Under 1 Year	6.6	7.6	5.5	490	291	199	298	174	124	137	82	55
1-4 Years	0.3	0.4	0.2	96	63	33	61	40	21	27	16	11
5-9 Years	0.1	0.1	0.1	47	25	22	29	14	15	13	8	5
10-14 Years	0.1	0.2	0.1	55	34	21	38	24	14	11	6	5
15-19 Years	0.7	1.0	0.3	271	206	65	178	131	47	68	54	14
20-24 Years	1.2	1.8	0.7	525	388	137	350	253	97	142	111	31
25-29 Years	1.5	2.2	0.8	604	448	156	421	313	108	152	111	41
30-34 Years	1.7	2.3	1.2	684	450	234	497	327	170	156	101	55
35-39 Years	2.1	2.8	1.5	816	532	284	599	386	213	184	121	63
40-44 Years	2.6	3.3	2.0	921	573	348	696	423	273	188	125	63
45-49 Years	3.6	4.4	2.9	1,369	821	548	1,080	653	427	248	142	106
50-54 Years	5.7	6.9	4.5	2,352	1,411	941	1,919	1,162	757	375	215	160
55-59 Years	8.4	10.7	6.3	3,644	2,249	1,395	3,027	1,877	1,150	538	325	213
60-64 Years	11.7	14.5	9.1	4,470	2,651	1,819	3,701	2,202	1,499	678	393	285
65-69 Years	16.5	19.9	13.4	5,389	3,060	2,329	4,665	2,640	2,025	619	354	265
70-74 Years	25.2	30.1	20.9	5,856	3,234	2,622	5,151	2,862	2,289	598	324	274
75-79 Years	39.5	46.9	33.5	6,676	3,525	3,151	5,988	3,190	2,798	554	264	290
80-84 Years	63.6	74.0	56.1	7,665	3,722	3,943	6,950	3,406	3,544	583	254	329
85 Years & Over	139.5	154.3	131.9	17,894	6,729	11,165	16,642	6,312	10,330	1,046	331	715

Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2016

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	59,824	490	96	47	55	271	525	604	684	816	921
Enterocolitis due to Clostridium difficile	167	0	0	0	0	0	1	0	0	1	0
Septicemia	821	2	0	0	2	0	0	5	6	4	11
HIV / AIDS	66	0	0	0	0	0	0	3	2	4	2
Malignant neoplasms	12,691	1	7	8	3	6	13	17	44	72	117
... Colon, rectum, and anus	1,114	0	0	0	0	0	1	0	2	8	17
... Pancreas	818	0	0	0	0	0	0	0	1	6	8
... Trachea, bronchus, and lung	3,706	0	0	0	0	0	1	0	1	2	8
... Breast	879	0	0	0	0	0	0	1	6	12	15
... Cervix uteri, corpus uteri, and ovary	553	0	0	0	0	0	1	1	6	9	9
... Prostate	551	0	0	0	0	0	0	0	0	0	1
... Urinary tract	671	0	0	0	0	0	1	1	1	2	4
... Non-Hodgkin's lymphoma	376	0	1	0	0	0	0	2	3	1	4
... Leukemia	493	1	4	1	2	2	3	6	1	2	8
... Other malignant neoplasms	3,530	0	2	7	1	4	6	6	23	30	43
Diabetes mellitus	1,508	0	0	1	0	2	4	8	8	19	16
Alzheimer's disease	2,302	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	602	0	0	0	0	0	0	0	0	0	0
Diseases of heart	14,569	9	2	2	2	5	16	30	49	104	171
Essential hypertension	543	0	0	0	0	0	0	0	2	2	3
Cerebrovascular diseases	3,063	3	1	1	2	0	4	4	7	10	23
Influenza and pneumonia	1,149	5	1	0	1	0	0	3	7	6	9
Chronic lower respiratory disease	3,960	0	1	3	0	3	5	1	6	7	17
Pneumonitis due to solids and liquids	524	1	0	0	0	0	0	2	4	3	1
Chronic liver disease and cirrhosis	658	0	0	0	0	0	0	5	12	21	29
Nephritis and nephrosis	1,481	0	1	0	0	1	1	4	2	10	12
Perinatal conditions	230	228	0	0	0	2	0	0	0	0	0
Congenital anomalies	214	107	9	5	5	7	3	4	2	4	7
Symptoms and ill-defined conditions	446	34	6	0	0	1	3	5	7	7	11
All other diseases	9,342	21	28	5	6	22	38	41	80	90	101
Unintentional injuries	3,610	64	33	14	17	106	237	250	264	283	242
... Motor vehicle crashes	999	4	14	10	13	74	108	88	76	79	72
... Falls	756	1	0	0	0	0	2	1	3	2	3
... Accidental poisoning	1,221	0	1	0	1	19	107	145	167	177	143
... Other unintentional injuries	634	59	18	4	3	13	20	16	18	25	24
Suicide	1,132	0	0	0	12	61	97	116	97	92	87
Homicide	570	12	7	7	4	46	94	94	72	64	48
All other external causes	176	3	0	1	1	9	9	12	13	13	14

Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2016

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,369	2,352	3,644	4,470	5,389	5,856	6,676	7,665	17,894	0
Enterocolitis due to Clostridium difficile	0	5	6	8	16	11	24	32	63	0
Septicemia	15	39	57	59	87	93	104	113	224	0
HIV / AIDS	12	9	17	10	5	0	1	0	1	0
Malignant neoplasms	251	611	1,101	1,447	1,760	1,806	1,784	1,575	2,068	0
...Colon, rectum, and anus	30	60	98	126	151	118	134	116	253	0
...Pancreas	15	38	75	103	111	121	135	87	118	0
...Trachea, bronchus, and lung	56	157	357	456	590	627	575	450	426	0
...Breast	28	68	82	102	106	111	102	81	165	0
...Cervix uteri, corpus uteri, and ovary	18	26	53	65	95	72	70	49	79	0
...Prostate	0	11	11	40	54	79	89	116	150	0
...Urinary tract	7	22	38	61	89	85	96	101	163	0
...Non-Hodgkin's lymphoma	4	16	24	31	43	54	49	62	82	0
...Leukemia	11	17	22	29	44	75	62	90	113	0
...Other malignant neoplasms	82	196	341	434	477	464	472	423	519	0
Diabetes mellitus	43	79	111	151	186	176	185	185	334	0
Alzheimer's disease	0	2	5	19	32	88	228	419	1,509	0
Parkinson's disease	0	2	2	13	21	60	104	151	249	0
Diseases of heart	298	553	813	1,033	1,280	1,356	1,535	1,898	5,413	0
Essential hypertension	8	11	23	15	37	39	57	77	269	0
Cerebrovascular diseases	37	71	113	147	225	264	357	479	1,315	0
Influenza and pneumonia	17	30	41	74	81	91	119	172	492	0
Chronic lower respiratory disease	33	91	213	330	435	640	637	632	906	0
Pneumonitis due to solids and liquids	3	14	20	19	35	36	56	86	244	0
Chronic liver disease and cirrhosis	36	85	126	105	80	51	35	40	33	0
Nephritis and nephrosis	19	35	61	108	136	142	184	239	526	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	6	8	17	8	6	2	4	4	6	0
Symptoms and ill-defined conditions	7	13	14	17	29	30	35	38	189	0
All other diseases	215	293	527	606	732	790	1,031	1,259	3,457	0
Unintentional injuries	234	232	240	199	138	129	157	226	545	0
...Motor vehicle crashes	55	63	80	69	50	33	32	45	34	0
...Falls	11	12	19	31	39	50	72	125	385	0
...Accidental poisoning	146	122	100	60	11	12	4	2	4	0
...Other unintentional injuries	22	35	41	39	38	34	49	54	122	0
Suicide	96	124	103	67	54	39	28	23	36	0
Homicide	28	36	19	16	6	6	2	8	1	0
All other external causes	11	9	15	19	8	7	9	9	14	0

Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2016

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	30,412	291	63	25	34	206	388	448	450	532	573
Enterocolitis due to Clostridium difficile	57	0	0	0	0	0	1	0	0	0	0
Septicemia	420	2	0	0	1	0	0	4	4	0	4
HIV / AIDS	55	0	0	0	0	0	0	1	2	3	1
Malignant neoplasms	6,673	1	5	4	1	5	11	10	19	35	54
... Colon, rectum, and anus	586	0	0	0	0	0	1	0	2	5	10
... Pancreas	427	0	0	0	0	0	0	0	1	5	4
... Trachea, bronchus, and lung	2,004	0	0	0	0	0	1	0	0	1	3
... Breast	8	0	0	0	0	0	0	0	0	0	0
... Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0	0
... Prostate	551	0	0	0	0	0	0	0	0	0	1
... Urinary tract	463	0	0	0	0	0	1	1	1	1	3
... Non-Hodgkin's lymphoma	216	0	1	0	0	0	0	1	2	1	3
... Leukemia	269	1	2	1	0	2	2	3	1	0	4
... Other malignant neoplasms	2,149	0	2	3	1	3	6	5	12	22	26
Diabetes mellitus	820	0	0	1	0	1	2	5	5	15	8
Alzheimer's disease	697	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	363	0	0	0	0	0	0	0	0	0	0
Diseases of heart	7,689	5	1	1	1	3	9	19	33	64	115
Essential hypertension	213	0	0	0	0	0	0	0	1	1	2
Cerebrovascular diseases	1,278	1	1	0	1	0	4	3	2	3	13
Influenza and pneumonia	531	3	0	0	0	0	0	2	3	3	4
Chronic lower respiratory disease	1,873	0	1	2	0	3	4	1	3	4	9
Pneumonitis due to solids and liquids	274	1	0	0	0	0	0	0	3	1	0
Chronic liver disease and cirrhosis	398	0	0	0	0	0	0	3	7	13	18
Nephritis and nephrosis	736	0	0	0	0	1	1	1	1	9	5
Perinatal conditions	139	137	0	0	0	2	0	0	0	0	0
Congenital anomalies	103	54	6	2	3	7	0	2	2	0	2
Symptoms and ill-defined conditions	212	22	5	0	0	0	2	5	4	5	5
All other diseases	4,185	12	17	3	4	16	17	21	46	37	52
Unintentional injuries	2,284	43	22	7	12	80	175	191	175	203	172
... Motor vehicle crashes	717	1	9	4	11	55	83	67	46	56	55
... Falls	345	1	0	0	0	0	1	1	2	2	2
... Accidental poisoning	804	0	1	0	0	13	76	110	113	124	92
... Other unintentional injuries	418	41	12	3	1	12	15	13	14	21	23
Suicide	862	0	0	0	7	43	77	92	76	70	68
Homicide	457	8	5	4	3	41	78	80	57	57	36
All other external causes	93	2	0	1	1	4	7	8	7	9	5

Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2016

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	821	1,411	2,249	2,651	3,060	3,234	3,525	3,722	6,729	0
Enterocolitis due to Clostridium difficile	0	3	3	4	4	5	11	8	18	0
Septicemia	11	24	29	32	50	44	54	65	96	0
HIV / AIDS	8	7	16	10	5	0	1	0	1	0
Malignant neoplasms	114	315	608	801	960	1,020	943	818	949	0
...Colon, rectum, and anus	19	34	59	71	83	67	77	55	103	0
...Pancreas	9	28	46	64	60	63	71	36	40	0
...Trachea, bronchus, and lung	23	73	208	256	336	367	304	243	189	0
...Breast	0	1	0	1	0	1	0	2	3	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0
...Prostate	0	11	11	40	54	79	89	116	150	0
...Urinary tract	5	16	26	40	66	64	63	65	111	0
...Non-Hodgkin's lymphoma	2	7	18	23	26	34	30	30	38	0
...Leukemia	5	8	13	18	26	47	36	45	55	0
...Other malignant neoplasms	51	137	227	288	309	298	273	226	260	0
Diabetes mellitus	30	48	73	86	98	102	110	94	142	0
Alzheimer's disease	0	0	3	9	14	33	98	143	397	0
Parkinson's disease	0	2	2	8	13	39	65	94	140	0
Diseases of heart	201	381	594	691	810	814	881	954	2,112	0
Essential hypertension	3	7	14	10	20	18	31	30	76	0
Cerebrovascular diseases	18	38	60	82	101	154	189	197	411	0
Influenza and pneumonia	8	17	17	40	49	53	62	79	191	0
Chronic lower respiratory disease	11	37	107	160	228	312	318	292	381	0
Pneumonitis due to solids and liquids	1	9	15	7	24	16	27	53	117	0
Chronic liver disease and cirrhosis	22	51	85	66	53	29	19	23	9	0
Nephritis and nephrosis	13	17	39	63	76	73	91	119	227	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	2	4	5	6	5	0	0	1	2	0
Symptoms and ill-defined conditions	5	4	12	9	17	14	16	19	68	0
All other diseases	115	165	315	355	394	388	490	591	1,147	0
Unintentional injuries	157	153	153	145	92	79	91	122	212	0
...Motor vehicle crashes	43	47	58	56	35	22	19	30	20	0
...Falls	6	10	9	19	23	30	38	61	140	0
...Accidental poisoning	92	68	57	41	5	8	2	1	1	0
...Other unintentional injuries	16	28	29	29	29	19	32	30	51	0
Suicide	72	95	74	45	39	35	23	16	30	0
Homicide	23	31	16	6	4	5	1	2	0	0
All other external causes	7	3	9	16	4	1	4	2	3	0

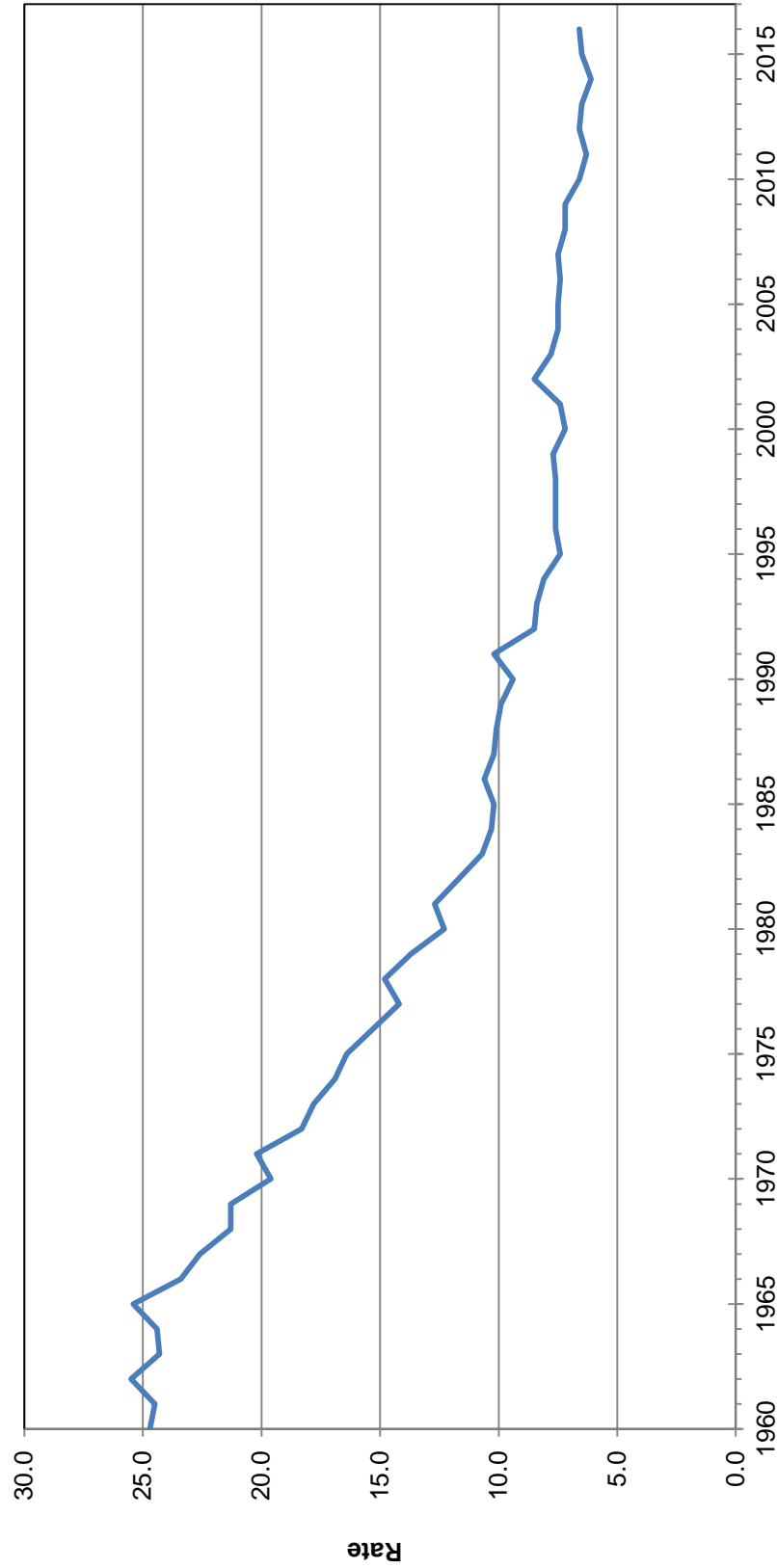
Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2016

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	29,412	199	33	22	21	65	137	156	234	284	348
Enterocolitis due to Clostridium difficile	110	0	0	0	0	0	0	0	0	1	0
Septicemia	401	0	0	0	1	0	0	1	2	4	7
HIV / AIDS	11	0	0	0	0	0	0	2	0	1	1
Malignant neoplasms	6,018	0	2	4	2	1	2	7	25	37	63
... Colon, rectum, and anus	528	0	0	0	0	0	0	0	0	3	7
... Pancreas	391	0	0	0	0	0	0	0	0	1	4
... Trachea, bronchus, and lung	1,702	0	0	0	0	0	0	0	1	1	5
... Breast	871	0	0	0	0	0	0	1	6	12	15
... Cervix uteri, corpus uteri, and ovary	553	0	0	0	0	0	1	1	6	9	9
... Prostate	0	0	0	0	0	0	0	0	0	0	0
... Urinary tract	208	0	0	0	0	0	0	0	0	1	1
... Non-Hodgkin's lymphoma	160	0	0	0	0	0	0	1	1	0	1
... Leukemia	224	0	2	0	2	0	1	3	0	2	4
... Other malignant neoplasms	1,381	0	0	4	0	1	0	1	11	8	17
Diabetes mellitus	688	0	0	0	0	1	2	3	3	4	8
Alzheimer's disease	1,605	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	239	0	0	0	0	0	0	0	0	0	0
Diseases of heart	6,880	4	1	1	1	2	7	11	16	40	56
Essential hypertension	330	0	0	0	0	0	0	0	1	1	1
Cerebrovascular diseases	1,785	2	0	1	1	0	0	1	5	7	10
Influenza and pneumonia	618	2	1	0	1	0	0	1	4	3	5
Chronic lower respiratory disease	2,087	0	0	1	0	0	1	0	3	3	8
Pneumonitis due to solids and liquids	250	0	0	0	0	0	0	2	1	2	1
Chronic liver disease and cirrhosis	260	0	0	0	0	0	0	2	5	8	11
Nephritis and nephrosis	745	0	1	0	0	0	0	3	1	1	7
Perinatal conditions	91	91	0	0	0	0	0	0	0	0	0
Congenital anomalies	111	53	3	3	2	0	3	2	0	4	5
Symptoms and ill-defined conditions	234	12	1	0	0	1	1	0	3	2	6
All other diseases	5,157	9	11	2	2	6	21	20	34	53	49
Unintentional injuries	1,326	21	11	7	5	26	62	59	89	80	70
... Motor vehicle crashes	282	3	5	6	2	19	25	21	30	23	17
... Falls	411	0	0	0	0	0	1	0	1	0	1
... Accidental poisoning	417	0	0	0	1	6	31	35	54	53	51
... Other unintentional injuries	216	18	6	1	2	1	5	3	4	4	1
Suicide	270	0	0	0	5	18	20	24	21	22	19
Homicide	113	4	2	3	1	5	16	14	15	7	12
All other external causes	83	1	0	0	0	5	2	4	6	4	9

Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2016

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	548	941	1,395	1,819	2,329	2,622	3,151	3,943	11,165	0
Enterocolitis due to Clostridium difficile	0	2	3	4	12	6	13	24	45	0
Septicemia	4	15	28	27	37	49	50	48	128	0
HIV / AIDS	4	2	1	0	0	0	0	0	0	0
Malignant neoplasms	137	296	493	646	800	786	841	757	1,119	0
...Colon, rectum, and anus	11	26	39	55	68	51	57	61	150	0
...Pancreas	6	10	29	39	51	58	64	51	78	0
...Trachea, bronchus, and lung	33	84	149	200	254	260	271	207	237	0
...Breast	28	67	82	101	106	110	102	79	162	0
...Cervix uteri, corpus uteri, and ovary	18	26	53	65	95	72	70	49	79	0
...Prostate	0	0	0	0	0	0	0	0	0	0
...Urinary tract	2	6	12	21	23	21	33	36	52	0
...Non-Hodgkin's lymphoma	2	9	6	8	17	20	19	32	44	0
...Leukemia	6	9	9	11	18	28	26	45	58	0
...Other malignant neoplasms	31	59	114	146	168	166	199	197	259	0
Diabetes mellitus	13	31	38	65	88	74	75	91	192	0
Alzheimer's disease	0	2	2	10	18	55	130	276	1,112	0
Parkinson's disease	0	0	0	5	8	21	39	57	109	0
Diseases of heart	97	172	219	342	470	542	654	944	3,301	0
Essential hypertension	5	4	9	5	17	21	26	47	193	0
Cerebrovascular diseases	19	33	53	65	124	110	168	282	904	0
Influenza and pneumonia	9	13	24	34	32	38	57	93	301	0
Chronic lower respiratory disease	22	54	106	170	207	328	319	340	525	0
Pneumonitis due to solids and liquids	2	5	5	12	11	20	29	33	127	0
Chronic liver disease and cirrhosis	14	34	41	39	27	22	16	17	24	0
Nephritis and nephrosis	6	18	22	45	60	69	93	120	299	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	4	4	12	2	1	2	4	3	4	0
Symptoms and ill-defined conditions	2	9	2	8	12	16	19	19	121	0
All other diseases	100	128	212	251	338	402	541	668	2,310	0
Unintentional injuries	77	79	87	54	46	50	66	104	333	0
...Motor vehicle crashes	12	16	22	13	15	11	13	15	14	0
...Falls	5	2	10	12	16	20	34	64	245	0
...Accidental poisoning	54	54	43	19	6	4	2	1	3	0
...Other unintentional injuries	6	7	12	10	9	15	17	24	71	0
Suicide	24	29	29	22	15	4	5	7	6	0
Homicide	5	5	3	10	2	1	1	6	1	0
All other external causes	4	6	6	3	4	6	5	7	11	0

Graph E. Resident Infant Deaths per 1,000 Live Births: Missouri, 1960-2016



Year	Infant Deaths	Rate	Year	Infant Deaths	Rate
1960	2,414	24.7	1985	784	10.2
1965	2,060	25.4	1990	746	9.4
1970	1,580	19.6	1995	539	7.4
1975	1,123	16.4	2000	547	7.2
1980	970	12.3	2005	588	7.5
			2010	489	6.6
			2015	490	6.3
			2016		6.1

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths
by County and Cities w/25,000 or More Population: Missouri, 2016**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
State Total	783	490	467	316	174	26
Counties						
Adair	3	2	2	1	1	0
Andrew	3	0	3	0	0	0
Atchison	0	0	0	0	0	0
Audrain	4	4	1	3	1	0
Barry	3	2	3	0	2	0
Barton	2	1	1	1	0	0
Bates	5	0	5	0	0	0
Benton	5	3	2	3	0	0
Bollinger	0	0	0	0	0	0
Boone	8	11	2	6	5	0
Buchanan	11	7	6	5	2	0
Butler	4	4	0	4	0	1
Caldwell	0	0	0	0	0	0
Callaway	1	3	0	1	2	1
Camden	4	1	4	0	1	1
Cape Girardeau	6	4	4	2	2	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	11	5	9	2	3	0
Cedar	0	2	0	0	2	0
Chariton	0	0	0	0	0	0
Christian	12	5	8	4	1	1
Clark	1	1	0	1	0	0
Clay	24	13	14	10	3	0
Clinton	3	1	2	1	0	0
Cole	8	4	4	4	0	0
Cooper	4	3	1	3	0	0
Crawford	2	3	1	1	2	0
Dade	0	0	0	0	0	0
Dallas	1	1	1	0	1	0
Daviess	1	0	1	0	0	0
DeKalb	1	1	0	1	0	0
Dent	2	1	1	1	0	0
Douglas	2	1	1	1	0	0
Dunklin	4	4	3	1	3	0
Franklin	12	12	4	8	4	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Gasconade	1	0	1	0	0	0
Gentry	2	0	2	0	0	0
Greene	43	24	24	19	5	0
Grundy	4	3	2	2	1	0
Harrison	1	1	1	0	1	1
Henry	4	3	2	2	1	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	1	0	1	0	0	0
Howell	6	2	6	0	2	0
Iron	0	0	0	0	0	0
Jackson	104	63	63	41	22	6
Jasper	18	11	11	7	4	0
Jefferson	24	16	17	7	9	0
Johnson	5	3	4	1	2	1
Knox	1	1	0	1	0	0
Laclede	6	5	1	5	0	0
Lafayette	3	2	3	0	2	1
Lawrence	15	6	10	5	1	0
Lewis	2	2	0	2	0	0
Lincoln	9	5	5	4	1	0
Linn	0	0	0	0	0	0
Livingston	0	1	0	0	1	0
McDonald	9	9	3	6	3	0
Macon	1	1	0	1	0	0
Madison	1	2	0	1	1	0
Maries	0	1	0	0	1	0
Marion	6	4	3	3	1	0
Mercer	0	0	0	0	0	0
Miller	3	2	1	2	0	0
Mississippi	0	0	0	0	0	0
Moniteau	2	1	1	1	0	0
Monroe	0	2	0	0	2	0
Montgomery	0	0	0	0	0	0
Morgan	3	1	2	1	0	1
New Madrid	5	4	4	1	3	0
Newton	4	4	4	0	4	0
Nodaway	2	1	1	1	0	0

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths
by County and Cities w/25,000 or More Population: Missouri, 2016**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	2	1	1	1	0	0
Ozark	0	1	0	0	1	0
Pemiscot	6	4	4	2	2	0
Perry	2	1	2	0	1	0
Pettis	1	1	0	1	0	0
Phelps	12	7	6	6	1	0
Pike	2	1	1	1	0	0
Platte	11	7	7	4	3	0
Polk	6	3	3	3	0	0
Pulaski	5	3	3	2	1	0
Putnam	1	1	0	1	0	0
Ralls	3	1	2	1	0	0
Randolph	2	1	2	0	1	0
Ray	3	1	2	1	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	1
St. Charles	41	17	29	12	5	1
St. Clair	0	1	0	0	1	0
St. Francois	9	7	4	5	2	0
Ste. Genevieve	2	1	1	1	0	0
St. Louis City	64	38	39	25	13	2
St. Louis County	135	71	83	52	19	7
Saline	1	2	0	1	1	0
Schuyler	0	1	0	0	1	0
Scotland	0	1	0	0	1	0
Scott	5	5	3	2	3	0
Shannon	0	0	0	0	0	0
Shelby	1	1	0	1	0	0
Stoddard	3	4	1	2	2	0
Stone	3	4	2	1	3	1
Sullivan	0	0	0	0	0	0
Taney	5	4	3	2	2	0
Texas	3	6	2	1	5	0
Vernon	5	4	2	3	1	0
Warren	2	3	0	2	1	0
Washington	6	0	6	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Webster	5	2	3	2	0	0
Worth	0	0	0	0	0	0
Wright	4	6	0	4	2	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	2	1	1	1	0	0
Blue Springs	9	4	5	4	0	0
Cape Girardeau	5	3	3	2	1	0
Chesterfield	4	3	2	2	1	0
Columbia	5	9	1	4	5	0
Florissant	8	4	6	2	2	2
Gladstone	5	1	4	1	0	0
Hazelwood	4	4	0	4	0	0
Independence	16	11	12	4	7	0
Jefferson City	2	1	1	1	0	0
Kirkwood	1	1	0	1	0	0
Lee's Summit	11	8	5	6	2	0
Liberty	1	2	0	1	1	0
Maryland Heights	3	0	3	0	0	0
O'Fallon	14	0	14	0	0	1
Raytown	5	2	3	2	0	0
St. Charles	6	3	3	3	0	0
St. Joseph	9	4	5	4	0	0
St. Louis City	64	38	39	25	13	2
St. Peters	4	3	2	2	1	0
Springfield	30	20	15	15	5	0
University City	6	2	5	1	1	1
Wentzville	7	4	5	2	2	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	5	6	2	3	3	0
...Jasper Co. Part	4	6	1	3	3	0
...Newton Co. Part	1	0	1	0	0	0
Kansas City	77	47	45	32	15	5
...Jackson Co. Part	54	34	32	22	12	5
...Clay Co. Part	17	8	10	7	1	0
...Platte Co. Part	6	5	3	3	2	0
...Cass Co. Part	0	0	0	0	0	0

Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2016

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
State Total	504	298	311	193	105	13
Counties						
Adair	2	2	1	1	1	0
Andrew	3	0	3	0	0	0
Atchison	0	0	0	0	0	0
Audrain	4	4	1	3	1	0
Barry	2	2	2	0	2	0
Barton	2	1	1	1	0	0
Bates	4	0	4	0	0	0
Benton	5	3	2	3	0	0
Bollinger	0	0	0	0	0	0
Boone	6	7	2	4	3	0
Buchanan	5	3	4	1	2	0
Butler	2	2	0	2	0	1
Caldwell	0	0	0	0	0	0
Callaway	0	1	0	0	1	1
Camden	4	1	4	0	1	1
Cape Girardeau	3	1	2	1	0	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	11	3	9	2	1	0
Cedar	0	2	0	0	2	0
Chariton	0	0	0	0	0	0
Christian	12	5	8	4	1	1
Clark	1	1	0	1	0	0
Clay	14	8	8	6	2	0
Clinton	3	1	2	1	0	0
Cole	6	2	4	2	0	0
Cooper	3	2	1	2	0	0
Crawford	2	2	1	1	1	0
Dade	0	0	0	0	0	0
Dallas	1	1	1	0	1	0
Daviess	1	0	1	0	0	0
DeKalb	1	1	0	1	0	0
Dent	2	1	1	1	0	0
Douglas	2	1	1	1	0	0
Dunklin	2	1	2	0	1	0
Franklin	10	9	3	7	2	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	1	0	1	0	0	0
Gentry	2	0	2	0	0	0
Greene	34	18	19	15	3	0
Grundy	4	3	2	2	1	0
Harrison	1	1	1	0	1	1
Henry	4	2	2	2	0	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	1	0	1	0	0	0
Howell	4	2	4	0	2	0
Iron	0	0	0	0	0	0
Jackson	44	23	30	14	9	1
Jasper	12	10	6	6	4	0
Jefferson	23	15	16	7	8	0
Johnson	4	1	4	0	1	0
Knox	1	1	0	1	0	0
Laclede	6	5	1	5	0	0
Lafayette	3	2	3	0	2	1
Lawrence	14	5	10	4	1	0
Lewis	2	2	0	2	0	0
Lincoln	7	4	4	3	1	0
Linn	0	0	0	0	0	0
Livingston	0	1	0	0	1	0
McDonald	4	5	2	2	3	0
Macon	1	1	0	1	0	0
Madison	1	2	0	1	1	0
Maries	0	1	0	0	1	0
Marion	6	4	3	3	1	0
Mercer	0	0	0	0	0	0
Miller	3	2	1	2	0	0
Mississippi	0	0	0	0	0	0
Moniteau	2	1	1	1	0	0
Monroe	0	2	0	0	2	0
Montgomery	0	0	0	0	0	0
Morgan	3	1	2	1	0	1
New Madrid	2	0	2	0	0	0
Newton	3	4	3	0	4	0
Nodaway	2	1	1	1	0	0

Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2016

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	2	1	1	1	0	0
Ozark	0	1	0	0	1	0
Pemiscot	5	2	3	2	0	0
Perry	2	1	2	0	1	0
Pettis	0	0	0	0	0	0
Phelps	11	6	6	5	1	0
Pike	2	1	1	1	0	0
Platte	6	5	4	2	3	0
Polk	6	3	3	3	0	0
Pulaski	2	0	2	0	0	0
Putnam	1	1	0	1	0	0
Ralls	3	1	2	1	0	0
Randolph	1	1	1	0	1	0
Ray	2	1	1	1	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	1
St. Charles	38	17	26	12	5	1
St. Clair	0	1	0	0	1	0
St. Francois	9	7	4	5	2	0
Ste. Genevieve	2	1	1	1	0	0
St. Louis City	12	3	9	3	0	0
St. Louis County	55	23	35	20	3	2
Saline	1	2	0	1	1	0
Schuyler	0	1	0	0	1	0
Scotland	0	1	0	0	1	0
Scott	3	3	2	1	2	0
Shannon	0	0	0	0	0	0
Shelby	1	1	0	1	0	0
Stoddard	3	4	1	2	2	0
Stone	3	4	2	1	3	1
Sullivan	0	0	0	0	0	0
Taney	4	3	3	1	2	0
Texas	2	5	2	0	5	0
Vernon	5	3	2	3	0	0
Warren	1	2	0	1	1	0
Washington	5	0	5	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	5	2	3	2	0	0
Worth	0	0	0	0	0	0
Wright	4	5	0	4	1	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	2	1	1	1	0	0
Blue Springs	7	3	4	3	0	0
Cape Girardeau	2	1	1	1	0	0
Chesterfield	3	3	1	2	1	0
Columbia	3	5	1	2	3	0
Florissant	4	2	3	1	1	1
Gladstone	2	0	2	0	0	0
Hazelwood	1	1	0	1	0	0
Independence	13	8	10	3	5	0
Jefferson City	1	0	1	0	0	0
Kirkwood	1	1	0	1	0	0
Lee's Summit	8	4	4	4	0	0
Liberty	1	2	0	1	1	0
Maryland Heights	2	0	2	0	0	0
O'Fallon	13	0	13	0	0	1
Raytown	1	0	1	0	0	0
St. Charles	6	3	3	3	0	0
St. Joseph	3	0	3	0	0	0
St. Louis City	12	3	9	3	0	0
St. Peters	4	3	2	2	1	0
Springfield	22	14	11	11	3	0
University City	1	0	1	0	0	0
Wentzville	7	4	5	2	2	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	5	6	2	3	3	0
...Jasper Co. Part	4	6	1	3	3	0
...Newton Co. Part	1	0	1	0	0	0
Kansas City	23	14	15	8	6	1
...Jackson Co. Part	10	6	8	2	4	1
...Clay Co. Part	10	4	6	4	0	0
...Platte Co. Part	3	4	1	2	2	0
...Cass Co. Part	0	0	0	0	0	0

Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2016

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
State Total	194	137	107	87	50	12
Counties						
Adair	0	0	0	0	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	0	0	0	0	0
Barry	0	0	0	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	0	0	0	0	0	0
Bollinger	0	0	0	0	0	0
Boone	1	2	0	1	1	0
Buchanan	4	3	1	3	0	0
Butler	1	1	0	1	0	0
Caldwell	0	0	0	0	0	0
Callaway	0	0	0	0	0	0
Camden	0	0	0	0	0	0
Cape Girardeau	1	1	1	0	1	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	0	0	0	0	0	0
Cedar	0	0	0	0	0	0
Chariton	0	0	0	0	0	0
Christian	0	0	0	0	0	0
Clark	0	0	0	0	0	0
Clay	6	4	3	3	1	0
Clinton	0	0	0	0	0	0
Cole	2	2	0	2	0	0
Cooper	0	0	0	0	0	0
Crawford	0	0	0	0	0	0
Dade	0	0	0	0	0	0
Dallas	0	0	0	0	0	0
Daviess	0	0	0	0	0	0
DeKalb	0	0	0	0	0	0
Dent	0	0	0	0	0	0
Douglas	0	0	0	0	0	0
Dunklin	2	3	1	1	2	0
Franklin	0	2	0	0	2	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	0	0	0	0	0
Greene	4	4	1	3	1	0
Grundy	0	0	0	0	0	0
Harrison	0	0	0	0	0	0
Henry	0	1	0	0	1	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	0	0	0	0	0	0
Howell	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Jackson	43	27	22	21	6	4
Jasper	0	0	0	0	0	0
Jefferson	0	1	0	0	1	0
Johnson	0	0	0	0	0	1
Knox	0	0	0	0	0	0
Laclede	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0
Lawrence	0	0	0	0	0	0
Lewis	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Linn	0	0	0	0	0	0
Livingston	0	0	0	0	0	0
McDonald	1	1	0	1	0	0
Macon	0	0	0	0	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	0	0	0	0	0	0
Mercer	0	0	0	0	0	0
Miller	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	0	0	0	0	0	0
New Madrid	2	4	1	1	3	0
Newton	0	0	0	0	0	0
Nodaway	0	0	0	0	0	0

Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2016

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	0	0	0	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	1	2	1	0	2	0
Perry	0	0	0	0	0	0
Pettis	0	0	0	0	0	0
Phelps	1	1	0	1	0	0
Pike	0	0	0	0	0	0
Platte	3	1	2	1	0	0
Polk	0	0	0	0	0	0
Pulaski	0	1	0	0	1	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	0	0	0	0	0	0
Ray	0	0	0	0	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
St. Charles	2	0	2	0	0	0
St. Clair	0	0	0	0	0	0
St. Francois	0	0	0	0	0	0
Ste. Genevieve	0	0	0	0	0	0
St. Louis City	48	31	28	20	11	2
St. Louis County	70	43	43	27	16	5
Saline	0	0	0	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	2	2	1	1	1	0
Shannon	0	0	0	0	0	0
Shelby	0	0	0	0	0	0
Stoddard	0	0	0	0	0	0
Stone	0	0	0	0	0	0
Sullivan	0	0	0	0	0	0
Taney	0	0	0	0	0	0
Texas	0	0	0	0	0	0
Vernon	0	0	0	0	0	0
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	0	0	0	0	0	0
Worth	0	0	0	0	0	0
Wright	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
<u>Cities w/25k Pop.</u>						
Ballwin	0	0	0	0	0	0
Blue Springs	1	1	0	1	0	0
Cape Girardeau	1	0	1	0	0	0
Chesterfield	0	0	0	0	0	0
Columbia	1	2	0	1	1	0
Florissant	4	2	3	1	1	1
Gladstone	1	1	0	1	0	0
Hazelwood	1	1	0	1	0	0
Independence	3	1	2	1	0	0
Jefferson City	1	1	0	1	0	0
Kirkwood	0	0	0	0	0	0
Lee's Summit	2	2	1	1	1	0
Liberty	0	0	0	0	0	0
Maryland Heights	1	0	1	0	0	0
O'Fallon	0	0	0	0	0	0
Raytown	3	2	1	2	0	0
St. Charles	0	0	0	0	0	0
St. Joseph	4	3	1	3	0	0
St. Louis City	48	31	28	20	11	2
St. Peters	0	0	0	0	0	0
Springfield	4	4	1	3	1	0
University City	5	2	4	1	1	1
Wentzville	0	0	0	0	0	0
Wildwood	0	0	0	0	0	0
<u>Multi-County Cities</u>						
Joplin	0	0	0	0	0	0
...Newton Co. Part	0	0	0	0	0	0
...Jasper Co. Part	0	0	0	0	0	0
Kansas City	40	25	21	19	6	4
...Jackson Co. Part	33	21	17	16	5	4
...Clay Co. Part	5	3	3	2	1	0
...Platte Co. Part	2	1	1	1	0	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22D. Resident Perinatal, Infant, Fetal, Neonatal, and Post-Neonatal Deaths
by Resident BRFSS Region with Rates per 1,000 Live Births: Missouri, 2016**

	<u>Number</u>					<u>Rates</u>				
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths
<u>BRFSS Regions</u>										
Northeast	28	26	12	16	10	9.5	8.9	4.1*	5.4*	3.4*
Northwest	26	13	18	8	5	8.8	4.4*	6.1*	2.7*	1.7*
Central	73	49	36	37	12	8.5	5.7	4.2	4.3	1.4*
Southeast	62	56	35	27	29	9.2	8.3	5.2	4.0	4.3
Southwest	140	89	82	58	31	12.1	7.7	7.1	5.0	2.7
St. Louis Metro	289	165	178	111	54	11.2	6.4	6.9	4.3	2.1
Kansas City Metro	164	92	105	59	33	10.3	5.8	6.6	3.7	2.1
Metro	597	344	367	230	114	10.5	6.1	6.5	4.1	2.0
Non-Metro	185	146	99	86	60	10.3	8.1	5.5	4.8	3.3
State Total	783	490	467	316	174	10.5	6.6	6.3	4.2	2.3

*-Rate is unstable due to inclusion of fewer than 20 events.

Table 22E. White Non-Hispanic and Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, and Post-Neonatal Deaths by Resident BRFSS Region: Missouri, 2016

	<u>White Non-Hispanic</u>						<u>Black Non-Hispanic</u>					
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<u>BRFSS Regions</u>												
Northeast	26	26	10	16	10	0	0	0	0	0	0	0
Northwest	19	7	16	3	4	1	4	3	1	3	0	1
Central	61	35	34	27	8	3	4	6	0	4	2	0
Southeast	46	38	26	20	18	2	9	13	5	4	9	0
Southwest	116	74	69	47	27	2	5	6	1	4	2	0
St. Louis Metro	148	75	94	54	21	3	120	77	73	47	30	7
Kansas City Metro	87	43	61	26	17	2	52	32	27	25	7	4
Metro	343	180	222	121	59	7	185	122	103	82	40	11
Non-Metro	160	118	88	72	46	6	9	15	4	5	10	1
<u>State Total</u>	504	298	311	193	105	13	194	137	107	87	50	12

**Table 23. Resident Infant Deaths and Rates per 1,000 Live Births
by Cause of Death by Race and by Age at Death: Missouri, 2016**

		Number	Rate	Neonatal Deaths	Post- Neonatal Deaths	Under 1 Hour	Over 1 Hour, < 1 Day	Over 1 Day, < 7 Days	Over 7 Days, < 28 Days	Over 28 Days, < 3 Months	Over 3 Months, < 6 Months	Over 6 Months, < 1 Year
All Causes	White	298	5.4	193	105	39	83	37	34	41	35	29
	Black	137	13.2	87	50	18	45	14	10	22	11	17
	Total	490	6.6	316	174	61	146	59	50	72	52	50
Infectious Diseases (A00-B99, P35-P39)	White	14	0.3	10	4	0	1	3	6	2	1	1
	Black	7	0.7	4	3	0	0	1	3	1	1	1
	Total	22	0.3	15	7	0	1	4	10	3	2	2
Nervous System Diseases (G00-G98)	White	4	0.1	0	4	0	0	0	0	1	2	1
	Black	0	0.0	0	0	0	0	0	0	0	0	0
	Total	4	0.1	0	4	0	0	0	0	1	2	1
Circulatory System Diseases (I00-I99)	White	9	0.2	3	6	0	0	1	2	3	2	1
	Black	2	0.2	0	2	0	0	0	0	0	1	1
	Total	12	0.2	3	9	0	0	1	2	3	4	2
Respiratory System Diseases (J00-J99)	White	8	0.1	0	8	0	0	0	0	1	4	3
	Black	3	0.3	0	3	0	0	0	0	1	0	2
	Total	12	0.2	0	12	0	0	0	0	3	4	5
Perinatal Conditions (P00-P34, P39-P96)	White	122	2.2	119	3	30	52	27	10	2	0	1
	Black	66	6.4	66	0	14	40	9	3	0	0	0
	Total	213	2.9	209	4	47	106	41	15	2	1	1
Congenital Anomalies (Q00-Q99)	White	73	1.3	53	20	9	29	4	11	8	5	7
	Black	21	2.0	14	7	4	4	4	2	2	2	3
	Total	107	1.4	74	33	14	36	11	13	14	7	12
Sudden Infant Death Syndrome (R95)	White	14	0.3	0	14	0	0	0	0	8	5	1
	Black	3	0.3	0	3	0	0	0	0	3	0	0
	Total	19	0.3	0	19	0	0	0	0	13	5	1
Unintentional Injuries (V01-X59)	White	36	0.7	5	31	0	0	1	4	10	10	11
	Black	21	2.0	0	21	0	0	0	0	11	5	5
	Total	64	0.9	8	56	0	0	1	7	23	16	17
Homicide (X85-Y09)	White	6	0.1	0	6	0	0	0	0	3	2	1
	Black	5	0.5	0	5	0	0	0	0	0	0	5
	Total	12	0.2	0	12	0	0	0	0	3	3	6
All Other Causes	White	12	0.2	3	9	0	1	1	1	3	4	2
	Black	9	0.9	3	6	0	1	0	2	4	2	0
	Total	25	0.3	7	18	0	3	1	3	7	8	3

**Table 24. Resident Infant Deaths and Rates per 1,000 Live Births
by Age of Mother by Birth Order: Missouri, 2016**

	Birth Order					Rates				
	All Orders	1st	2nd or 3rd	4th or 5th	6th or More	All Orders	1st	2nd or 3rd	4th or 5th	6th or More
All Ages	501	133	221	80	67	6.7	5.9	6.4	6.4	13.1
Under 18	7	5	2	0	0	6.2*	5.0*	16.4*	0.0*	0.0*
18-19	35	20	15	0	0	10.3	8.2	16.1*	0.0*	0.0*
20-24	165	46	88	26	5	9.4	6.3	10.5	16.5	16.4*
25-29	137	37	57	24	19	5.9	5.5	5.0	5.8	15.3*
30-34	92	20	35	14	23	4.7	5.1	3.6	3.4*	12.9
35-39	54	3	21	15	15	6.7	2.8*	6.0	6.8*	11.2*
40 and Over	10	2	3	1	4	6.7*	11.4*	6.1*	2.5*	9.2*

**Table 25. Resident Infant Deaths and Rates per 1,000 Live Births
by Birth Weight by Race of Mother: Missouri, 2016**

	Mother's Race			Rates		
	All Races	White	Black	All Races	White	Black
All Weights	501	307	141	6.7	5.5	13.6
Under 500 Grams	129	58	57	865.8	892.3	850.7
500-999 Grams	80	50	20	218.6	255.1	173.9
1,000-1,499 Grams	26	19	6	44.6	54.1*	35.3*
1,500-1,999 Grams	36	26	5	28.5	31.2	17.4*
2,000-2,499 Grams	47	33	10	11.4	12.3	10.7*
2,500-2,999 Grams	61	39	17	4.7	4.5	6.2*
3,000-3,499 Grams	59	40	12	2.1	1.9	3.0*
3,500-3,999 Grams	37	26	8	1.8	1.6	4.6*
4,000 or More Grams	10	7	2	1.6*	1.3*	5.3*

Infant death totals in Table 24 and 25 do not agree with the totals in Table 22 and 23 because Tables 24 and 25 include only infant deaths that have been matched with their corresponding birth records. In addition, Table 24 and 25 may include some infant deaths that came in after the cutoff date, as explained in the Appendix under "Sources of Vital Records."

*Rate is unstable due to inclusion of fewer than 20 events.

**Table 26A. Resident Deaths by Selected Causes of Death by Race and Hispanic Origin
With Rates per 100,000 Residents: Missouri, 2016**

	Total Crude Rate	Total Age-Adjusted Rate	All Races	White, Non-Hisp.	Black, Non-Hisp.	Hispanic, Any Race	Other Races
All causes	981.8	807.5	59,824	52,290	6,317	501	686
Enterocolitis due to Clostridium difficile	2.7	2.2	167	148	13	3	3
Septicemia	13.5	10.9	821	683	114	12	10
HIV / AIDS	1.1	1.0	66	40	26	0	0
Malignant neoplasms	208.3	166.9	12,691	11,160	1,289	98	138
...Colon, rectum, and anus	18.3	14.6	1,114	965	129	7	12
...Pancreas	13.4	10.7	818	701	97	11	9
...Trachea, bronchus, and lung	60.8	48.0	3,706	3,285	373	17	31
...Breast	14.4	11.7	879	747	114	7	11
...Cervix uteri, corpus uteri, and ovary	9.1	7.3	553	467	66	8	11
...Prostate	9.0	7.3	551	464	82	3	2
...Urinary tract	11.0	8.8	671	607	51	9	4
...Non-Hodgkin's lymphoma	6.2	5.0	376	344	21	2	9
...Leukemia	8.1	6.7	493	455	34	1	1
...Other malignant neoplasms	57.9	46.7	3,530	3,125	322	33	48
Diabetes mellitus	24.7	20.1	1,508	1,251	222	12	23
Alzheimer's disease	37.8	30.0	2,302	2,140	140	7	15
Parkinson's disease	9.9	8.1	602	574	16	3	8
Diseases of heart	239.1	192.0	14,569	12,913	1,436	92	122
Essential hypertension	8.9	7.1	543	469	63	7	3
Cerebrovascular diseases	50.3	40.3	3,063	2,653	340	26	44
Influenza and pneumonia	18.9	15.1	1,149	1,046	80	8	15
Chronic lower respiratory disease	65.0	52.1	3,960	3,676	244	9	30
Pneumonitis due to solids and liquids	8.6	6.9	524	480	38	1	5
Chronic liver disease and cirrhosis	10.8	9.0	658	583	56	16	3
Nephritis and nephrosis	24.3	19.6	1,481	1,204	232	16	26
Conditions orig. in perinatal period	3.8	4.3	230	133	70	9	15
Congenital anomalies	3.5	3.6	214	159	37	12	6
Symptoms and ill-defined conditions	7.3	6.2	446	388	43	7	7
All other diseases	153.3	124.4	9,342	8,243	932	72	93
Unintentional injuries	59.2	56.8	3,610	2,993	502	45	66
...Motor vehicle crashes	16.4	16.1	999	806	151	11	31
...Falls	12.4	9.9	756	706	30	9	9
...Accidental poisoning	20.0	21.2	1,221	949	239	19	13
...Other unintentional injuries	10.4	9.5	634	532	82	6	13
Suicide	18.6	18.3	1,132	1,003	65	26	38
Homicide	9.4	10.0	570	198	342	18	12
All other external causes	2.9	2.7	176	153	17	2	4

*** United States 2000 population distribution used as the standard for age-adjusted death rates.

Table 26B. Resident Deaths by Selected Causes of Death by BRFSS Region and Metro/Non-Metro Area: Missouri, 2016

	BRFSS Region							Metro	Non-Metro
	Central	Kansas City	Northeast	Northwest	St. Louis	Southeast	Southwest		
All causes	6,763	10,700	2,946	2,411	20,108	7,007	9,888	41,754	18,069
Enterocolitis due to Clostridium difficile	9	36	3	3	51	21	44	133	34
Septicemia	103	158	47	17	295	79	122	584	237
HIV / AIDS	4	20	0	2	32	5	3	57	9
Malignant neoplasms	1,470	2,287	635	489	4,218	1,495	2,097	8,799	3,892
...Colon, rectum, and anus	124	188	64	53	346	150	189	762	352
...Pancreas	89	179	42	31	262	86	129	583	235
...Trachea, bronchus, and lung	453	673	184	139	1,172	495	590	2,475	1,231
...Breast	91	161	47	34	317	89	140	620	259
...Cervix uteri, corpus uteri, and ovary	48	87	33	17	214	60	94	392	161
...Prostate	61	97	21	14	196	68	94	402	149
...Urinary tract	67	117	34	27	245	76	105	480	191
...Non-Hodgkin's lymphoma	52	62	22	17	114	38	71	249	127
...Leukemia	58	91	28	15	149	59	93	329	164
...Other malignant neoplasms	427	632	160	142	1,203	374	592	2,507	1,023
Diabetes mellitus	225	280	72	88	443	153	247	1,035	473
Alzheimer's disease	180	292	110	101	876	306	437	1,636	666
Parkinson's disease	71	120	22	21	213	52	103	457	145
Diseases of heart	1,564	2,388	737	606	4,923	1,806	2,545	9,913	4,656
Essential hypertension	114	94	42	16	180	34	63	367	176
Cerebrovascular diseases	322	548	152	120	1,036	327	558	2,194	869
Influenza and pneumonia	141	169	54	40	424	137	184	789	360
Chronic lower respiratory disease	485	693	224	207	1,008	635	707	2,497	1,462
Pneumonitis due to solids and liquids	41	88	17	54	209	44	71	381	143
Chronic liver disease and cirrhosis	88	121	19	18	201	83	128	459	199
Nephritis and nephrosis	177	290	71	48	484	190	221	994	487
Conditions orig. in perinatal period	30	39	9	6	85	21	40	168	62
Congenital anomalies	21	46	13	9	68	21	36	151	63
Symptoms and ill-defined conditions	84	58	40	22	87	73	82	267	179
All other diseases	1,078	1,977	473	378	3,054	962	1,420	6,760	2,582
Unintentional injuries	372	574	132	114	1,538	369	511	2,697	913
...Motor vehicle crashes	133	153	47	46	294	150	176	637	362
...Falls	61	137	24	15	391	45	83	630	126
...Accidental poisoning	95	184	27	24	669	76	146	1,014	207
...Other unintentional injuries	83	100	34	29	184	98	106	416	218
Suicide	135	247	57	34	339	115	205	802	330
Homicide	27	154	6	11	296	42	34	496	74
All other external causes	22	21	11	7	48	37	30	118	58

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Adair	Andrew	Atchison	Audrain	Barry	Barton	Bates
All causes	209	178	74	299	439	138	209
Enterocolitis due to Clostridium difficile	1	1	0	0	0	0	0
Septicemia	4	1	0	4	4	0	6
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	49	36	8	65	83	32	44
...Colon, rectum, and anus	4	5	0	4	6	7	6
...Pancreas	3	3	0	2	6	3	2
...Trachea, bronchus, and lung	13	5	1	22	23	5	14
...Breast	7	1	1	7	6	4	3
...Cervix uteri, corpus uteri, and ovary	6	1	1	1	3	1	0
...Prostate	1	1	1	2	3	0	4
...Urinary tract	3	2	0	1	4	1	1
...Non-Hodgkin's lymphoma	0	2	1	4	1	1	0
...Leukemia	2	1	0	4	5	1	2
...Other malignant neoplasms	10	15	3	18	26	9	12
Diabetes mellitus	2	6	3	10	8	4	4
Alzheimer's disease	5	15	4	7	14	7	4
Parkinson's disease	3	4	2	5	3	1	1
Diseases of heart	49	36	17	61	137	28	60
Essential hypertension	2	1	0	16	0	2	2
Cerebrovascular diseases	7	10	1	19	21	13	8
Influenza and pneumonia	2	2	1	2	13	8	3
Chronic lower respiratory disease	15	18	6	15	29	5	15
Pneumonitis due to solids and liquids	1	0	2	2	4	0	2
Chronic liver disease and cirrhosis	0	3	0	3	6	6	5
Nephritis and nephrosis	6	3	3	11	11	5	12
Conditions orig. in perinatal period	1	0	0	1	0	1	0
Congenital anomalies	0	0	0	1	0	0	0
Symptoms and ill-defined conditions	5	2	1	5	4	2	1
All other diseases	37	24	18	51	73	20	28
Unintentional injuries	12	13	7	14	25	2	12
...Motor vehicle crashes	5	3	3	7	11	0	4
...Falls	1	3	1	1	6	0	1
...Accidental poisoning	3	4	1	2	3	2	5
...Other unintentional injuries	3	3	2	4	5	0	2
Suicide	7	2	1	7	2	2	2
Homicide	0	1	0	0	2	0	0
All other external causes	1	0	0	0	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	Callaway
All causes	297	142	1,039	897	509	99	399
Enterocolitis due to Clostridium difficile	0	0	2	1	3	0	1
Septicemia	5	1	15	7	6	2	8
HIV / AIDS	0	0	1	1	2	0	1
Malignant neoplasms	88	40	236	181	94	25	97
...Colon, rectum, and anus	6	6	17	15	6	1	11
...Pancreas	7	5	18	12	6	3	8
...Trachea, bronchus, and lung	25	12	67	56	45	7	34
...Breast	7	3	14	10	5	0	4
...Cervix uteri, corpus uteri, and ovary	4	0	9	5	4	0	1
...Prostate	4	2	8	4	6	2	5
...Urinary tract	1	0	8	13	2	2	6
...Non-Hodgkin's lymphoma	2	0	6	7	0	0	3
...Leukemia	8	1	11	4	0	2	3
...Other malignant neoplasms	24	11	78	55	20	8	22
Diabetes mellitus	14	1	39	49	20	6	11
Alzheimer's disease	10	3	30	45	22	4	7
Parkinson's disease	2	0	12	8	6	0	3
Diseases of heart	64	40	209	197	116	16	89
Essential hypertension	4	0	9	5	2	1	5
Cerebrovascular diseases	15	6	66	53	26	5	13
Influenza and pneumonia	3	4	13	15	9	6	5
Chronic lower respiratory disease	27	6	57	84	60	6	33
Pneumonitis due to solids and liquids	3	0	6	6	4	2	2
Chronic liver disease and cirrhosis	2	0	12	10	5	1	8
Nephritis and nephrosis	9	1	19	12	19	7	7
Conditions orig. in perinatal period	2	0	4	3	4	0	0
Congenital anomalies	1	0	6	6	1	1	1
Symptoms and ill-defined conditions	0	1	14	12	1	1	6
All other diseases	32	22	204	143	70	12	63
Unintentional injuries	7	12	57	36	26	3	21
...Motor vehicle crashes	0	4	17	8	8	2	6
...Falls	2	1	8	7	1	0	0
...Accidental poisoning	2	0	18	9	7	1	7
...Other unintentional injuries	3	7	14	12	10	0	8
Suicide	8	2	21	13	8	0	12
Homicide	1	1	3	8	4	0	3
All other external causes	0	2	4	2	1	1	3

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar	Chariton
All causes	496	863	117	86	932	214	88
Enterocolitis due to Clostridium difficile	1	2	0	0	3	1	0
Septicemia	11	9	0	0	13	1	1
HIV / AIDS	0	0	0	0	3	0	0
Malignant neoplasms	124	186	26	22	216	44	23
...Colon, rectum, and anus	13	25	6	1	14	3	2
...Pancreas	7	10	0	1	13	5	0
...Trachea, bronchus, and lung	40	42	12	9	70	13	7
...Breast	8	12	3	1	16	2	2
...Cervix uteri, corpus uteri, and ovary	1	10	0	0	7	2	0
...Prostate	6	8	0	1	9	0	1
...Urinary tract	4	7	2	1	14	2	4
...Non-Hodgkin's lymphoma	5	5	0	0	7	3	1
...Leukemia	2	11	0	0	8	0	3
...Other malignant neoplasms	38	56	3	8	58	14	3
Diabetes mellitus	19	14	1	0	14	9	3
Alzheimer's disease	9	58	0	2	18	11	1
Parkinson's disease	3	10	1	0	14	4	0
Diseases of heart	99	203	47	25	200	60	22
Essential hypertension	3	3	0	0	1	0	3
Cerebrovascular diseases	25	38	6	5	37	11	6
Influenza and pneumonia	13	23	3	2	27	7	1
Chronic lower respiratory disease	49	56	6	8	84	11	2
Pneumonitis due to solids and liquids	3	7	3	0	5	1	0
Chronic liver disease and cirrhosis	9	7	1	1	5	1	2
Nephritis and nephrosis	11	23	2	5	15	6	3
Conditions orig. in perinatal period	0	2	0	0	0	0	0
Congenital anomalies	0	1	1	0	7	1	0
Symptoms and ill-defined conditions	2	15	0	0	3	2	2
All other diseases	65	134	13	6	202	32	14
Unintentional injuries	34	37	3	7	37	8	3
...Motor vehicle crashes	11	15	0	4	11	0	2
...Falls	6	9	2	0	6	1	1
...Accidental poisoning	8	4	1	1	12	2	0
...Other unintentional injuries	9	9	0	2	8	5	0
Suicide	10	17	2	3	21	4	2
Homicide	4	6	1	0	5	0	0
All other external causes	2	12	1	0	2	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Christian	Clark	Clay	Clinton	Cole	Cooper	Crawford
All causes	596	86	1,703	250	680	213	324
Enterocolitis due to Clostridium difficile	4	0	6	0	1	0	0
Septicemia	7	1	18	2	11	2	8
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	142	13	405	37	141	36	75
...Colon, rectum, and anus	14	0	20	5	16	3	3
...Pancreas	8	0	32	1	8	2	7
...Trachea, bronchus, and lung	40	2	125	13	37	5	24
...Breast	9	2	30	4	10	3	7
...Cervix uteri, corpus uteri, and ovary	5	2	18	0	6	3	3
...Prostate	6	1	12	1	8	1	2
...Urinary tract	5	1	18	2	8	2	1
...Non-Hodgkin's lymphoma	7	0	16	0	5	1	3
...Leukemia	3	1	21	0	4	4	6
...Other malignant neoplasms	45	4	113	11	39	12	19
Diabetes mellitus	18	5	43	10	15	6	2
Alzheimer's disease	33	1	53	10	18	9	11
Parkinson's disease	10	0	19	3	10	1	3
Diseases of heart	138	28	351	50	157	72	108
Essential hypertension	5	1	24	5	10	4	4
Cerebrovascular diseases	48	3	93	20	34	9	17
Influenza and pneumonia	2	2	21	9	17	2	4
Chronic lower respiratory disease	36	9	103	17	48	12	16
Pneumonitis due to solids and liquids	3	2	19	3	7	1	1
Chronic liver disease and cirrhosis	4	0	19	4	3	5	1
Nephritis and nephrosis	18	2	36	6	13	8	7
Conditions orig. in perinatal period	4	1	8	0	4	2	1
Congenital anomalies	3	0	6	2	1	0	2
Symptoms and ill-defined conditions	0	2	8	2	12	3	4
All other diseases	79	8	311	52	126	32	32
Unintentional injuries	26	7	106	8	39	6	15
...Motor vehicle crashes	12	2	28	1	10	4	5
...Falls	4	2	26	1	11	0	2
...Accidental poisoning	7	1	40	4	12	0	4
...Other unintentional injuries	3	2	12	2	6	2	4
Suicide	12	1	46	9	10	2	8
Homicide	3	0	6	0	3	1	3
All other external causes	1	0	2	1	0	0	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Dade	Dallas	Daviess	DeKalb	Dent	Douglas	Dunklin
All causes	107	205	96	116	213	183	423
Enterocolitis due to Clostridium difficile	1	0	0	0	0	1	1
Septicemia	0	6	2	1	5	0	7
HIV / AIDS	0	0	0	0	0	0	1
Malignant neoplasms	23	46	22	28	36	36	89
...Colon, rectum, and anus	1	5	3	3	3	2	6
...Pancreas	3	4	2	0	2	3	5
...Trachea, bronchus, and lung	3	13	5	13	8	13	27
...Breast	1	3	3	3	2	0	7
...Cervix uteri, corpus uteri, and ovary	2	1	0	0	0	2	2
...Prostate	0	3	0	1	2	1	3
...Urinary tract	3	2	1	0	2	1	5
...Non-Hodgkin's lymphoma	1	3	0	3	3	2	4
...Leukemia	0	0	1	1	0	2	3
...Other malignant neoplasms	9	12	7	4	14	10	27
Diabetes mellitus	7	12	0	4	9	10	3
Alzheimer's disease	3	8	4	5	6	13	18
Parkinson's disease	0	1	0	0	1	1	1
Diseases of heart	22	47	26	29	59	49	123
Essential hypertension	0	1	0	1	4	0	0
Cerebrovascular diseases	7	11	7	6	11	4	23
Influenza and pneumonia	2	1	2	1	6	2	13
Chronic lower respiratory disease	9	17	10	14	17	22	50
Pneumonitis due to solids and liquids	0	0	3	2	1	0	2
Chronic liver disease and cirrhosis	1	2	0	0	2	2	5
Nephritis and nephrosis	4	2	4	2	6	1	9
Conditions orig. in perinatal period	0	0	0	1	1	0	1
Congenital anomalies	0	1	0	0	3	1	0
Symptoms and ill-defined conditions	1	1	0	0	0	4	2
All other diseases	19	29	10	18	29	24	45
Unintentional injuries	7	13	4	2	12	5	22
...Motor vehicle crashes	1	7	2	0	2	3	11
...Falls	1	2	0	0	5	0	5
...Accidental poisoning	1	1	1	1	1	1	2
...Other unintentional injuries	4	3	1	1	4	1	4
Suicide	1	4	1	1	2	7	3
Homicide	0	2	0	1	2	0	4
All other external causes	0	1	1	0	1	1	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
All causes	1,055	194	92	2,875	139	119	282
Enterocolitis due to Clostridium difficile	2	0	0	17	1	0	2
Septicemia	13	3	0	29	1	0	4
HIV / AIDS	2	0	0	1	0	0	0
Malignant neoplasms	204	45	16	548	22	28	61
...Colon, rectum, and anus	17	5	2	48	4	2	6
...Pancreas	12	2	0	35	1	1	5
...Trachea, bronchus, and lung	54	16	4	146	6	12	18
...Breast	18	1	0	44	2	1	5
...Cervix uteri, corpus uteri, and ovary	7	2	1	19	1	2	6
...Prostate	8	2	1	31	1	0	2
...Urinary tract	14	2	0	35	0	2	2
...Non-Hodgkin's lymphoma	4	1	0	16	3	1	2
...Leukemia	12	0	1	22	1	0	4
...Other malignant neoplasms	58	14	7	152	3	7	11
Diabetes mellitus	18	1	3	60	2	1	5
Alzheimer's disease	51	16	3	165	9	3	13
Parkinson's disease	6	2	0	35	0	1	4
Diseases of heart	259	42	23	672	36	36	85
Essential hypertension	5	0	1	18	5	0	3
Cerebrovascular diseases	49	3	5	175	5	7	16
Influenza and pneumonia	30	5	1	56	1	3	4
Chronic lower respiratory disease	68	10	12	202	10	13	15
Pneumonitis due to solids and liquids	10	2	2	35	1	1	4
Chronic liver disease and cirrhosis	11	5	0	43	1	0	3
Nephritis and nephrosis	23	4	2	58	1	3	4
Conditions orig. in perinatal period	4	0	0	14	2	0	2
Congenital anomalies	7	0	0	10	1	0	0
Symptoms and ill-defined conditions	8	6	0	16	4	1	3
All other diseases	141	31	21	462	25	14	36
Unintentional injuries	110	17	3	184	9	7	13
...Motor vehicle crashes	26	5	1	53	0	4	6
...Falls	35	6	0	35	3	0	0
...Accidental poisoning	39	3	2	71	4	2	2
...Other unintentional injuries	10	3	0	25	2	1	5
Suicide	29	2	0	54	3	1	2
Homicide	5	0	0	8	0	0	1
All other external causes	0	0	0	13	0	0	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper
All causes	153	57	100	494	146	6,142	1,197
Enterocolitis due to Clostridium difficile	0	0	0	0	1	19	9
Septicemia	2	0	1	3	1	103	21
HIV / AIDS	0	0	0	0	0	14	1
Malignant neoplasms	41	12	21	88	33	1,284	263
...Colon, rectum, and anus	6	0	2	9	2	118	27
...Pancreas	2	2	1	3	2	112	19
...Trachea, bronchus, and lung	14	2	9	24	11	358	69
...Breast	2	1	1	5	1	93	18
...Cervix uteri, corpus uteri, and ovary	0	0	0	9	1	54	9
...Prostate	2	1	2	2	1	60	16
...Urinary tract	1	0	1	9	2	68	12
...Non-Hodgkin's lymphoma	1	0	0	0	1	30	15
...Leukemia	3	1	1	4	1	43	8
...Other malignant neoplasms	10	5	4	23	11	348	70
Diabetes mellitus	5	3	2	19	3	162	25
Alzheimer's disease	5	2	2	22	5	170	32
Parkinson's disease	0	0	0	3	1	60	8
Diseases of heart	30	10	22	127	37	1,394	331
Essential hypertension	0	4	0	4	1	41	5
Cerebrovascular diseases	10	1	6	23	5	307	62
Influenza and pneumonia	4	2	1	9	3	94	30
Chronic lower respiratory disease	10	8	9	40	15	364	98
Pneumonitis due to solids and liquids	1	0	2	6	0	41	3
Chronic liver disease and cirrhosis	0	0	2	11	3	75	20
Nephritis and nephrosis	4	1	4	7	5	189	27
Conditions orig. in perinatal period	0	0	0	1	0	30	4
Congenital anomalies	0	0	0	1	0	27	5
Symptoms and ill-defined conditions	1	1	1	1	1	33	16
All other diseases	29	11	15	94	18	1,121	147
Unintentional injuries	9	2	9	27	9	333	48
...Motor vehicle crashes	2	1	3	13	3	77	15
...Falls	3	0	1	3	0	86	5
...Accidental poisoning	3	0	2	4	3	107	14
...Other unintentional injuries	1	1	3	7	3	63	14
Suicide	2	0	3	6	2	133	32
Homicide	0	0	0	1	2	135	6
All other external causes	0	0	0	1	1	13	4

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Jefferson	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis
All causes	2,070	442	50	425	393	479	121
Enterocolitis due to Clostridium difficile	5	1	0	2	3	0	0
Septicemia	23	3	2	9	3	6	1
HIV / AIDS	1	1	0	0	0	0	0
Malignant neoplasms	478	81	11	100	84	90	19
...Colon, rectum, and anus	45	10	1	5	9	8	8
...Pancreas	28	7	2	5	2	3	2
...Trachea, bronchus, and lung	151	18	1	37	28	27	2
...Breast	28	8	1	4	4	5	1
...Cervix uteri, corpus uteri, and ovary	16	2	1	2	2	2	0
...Prostate	18	3	0	6	3	4	0
...Urinary tract	34	5	0	8	3	7	1
...Non-Hodgkin's lymphoma	13	2	2	5	2	1	0
...Leukemia	14	3	0	3	5	4	0
...Other malignant neoplasms	131	23	3	25	26	29	5
Diabetes mellitus	42	10	1	17	10	22	1
Alzheimer's disease	89	7	0	6	4	43	3
Parkinson's disease	21	2	0	4	6	5	0
Diseases of heart	474	130	13	78	112	107	42
Essential hypertension	21	2	1	11	6	7	0
Cerebrovascular diseases	96	14	3	9	26	19	9
Influenza and pneumonia	48	7	1	13	2	9	1
Chronic lower respiratory disease	124	26	4	47	25	36	4
Pneumonitis due to solids and liquids	8	34	0	2	5	4	0
Chronic liver disease and cirrhosis	31	3	0	3	1	5	0
Nephritis and nephrosis	39	12	0	12	5	18	4
Conditions orig. in perinatal period	5	1	0	4	0	2	0
Congenital anomalies	8	2	1	5	0	4	2
Symptoms and ill-defined conditions	7	2	0	11	2	1	3
All other diseases	269	66	11	61	75	60	22
Unintentional injuries	218	24	2	20	16	29	6
...Motor vehicle crashes	46	16	1	11	10	14	3
...Falls	52	1	0	0	1	3	0
...Accidental poisoning	94	3	1	5	3	6	3
...Other unintentional injuries	26	4	0	4	2	6	0
Suicide	48	11	0	10	7	9	4
Homicide	10	0	0	1	1	2	0
All other external causes	5	3	0	0	0	1	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Lincoln	Linn	Livingston	McDonald	Macon	Madison	Maries
All causes	502	173	202	227	183	164	106
Enterocolitis due to Clostridium difficile	1	0	0	0	1	0	0
Septicemia	9	4	0	2	5	3	2
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	113	35	47	42	42	36	23
...Colon, rectum, and anus	6	3	3	3	1	3	4
...Pancreas	2	1	3	1	7	3	2
...Trachea, bronchus, and lung	29	9	16	15	17	17	7
...Breast	10	1	1	1	3	1	0
...Cervix uteri, corpus uteri, and ovary	3	3	2	7	1	1	2
...Prostate	9	1	1	1	1	0	1
...Urinary tract	7	2	4	1	1	3	0
...Non-Hodgkin's lymphoma	5	0	2	1	3	2	1
...Leukemia	2	2	4	1	1	1	1
...Other malignant neoplasms	40	13	11	11	7	5	5
Diabetes mellitus	8	1	4	5	2	7	2
Alzheimer's disease	29	1	14	6	5	5	3
Parkinson's disease	2	0	1	2	0	1	1
Diseases of heart	115	52	44	64	45	42	39
Essential hypertension	9	3	1	0	1	2	0
Cerebrovascular diseases	22	10	12	8	9	4	1
Influenza and pneumonia	11	3	4	1	4	4	4
Chronic lower respiratory disease	35	23	16	28	21	13	5
Pneumonitis due to solids and liquids	4	1	2	0	2	0	1
Chronic liver disease and cirrhosis	2	2	1	5	0	3	2
Nephritis and nephrosis	10	6	7	7	6	6	4
Conditions orig. in perinatal period	4	0	0	5	1	1	0
Congenital anomalies	1	1	0	2	0	2	0
Symptoms and ill-defined conditions	3	0	0	8	5	3	1
All other diseases	57	23	34	30	25	24	12
Unintentional injuries	48	4	11	10	6	7	6
...Motor vehicle crashes	14	2	2	6	1	5	2
...Falls	12	1	5	0	0	0	1
...Accidental poisoning	14	1	3	2	1	1	2
...Other unintentional injuries	8	0	1	2	4	1	1
Suicide	17	4	4	2	2	1	0
Homicide	0	0	0	0	1	0	0
All other external causes	2	0	0	0	0	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Marion	Mercer	Miller	Mississippi	Moniteau	Monroe	Montgomery
All causes	340	51	266	170	152	106	163
Enterocolitis due to Clostridium difficile	0	0	0	2	0	0	0
Septicemia	6	0	5	4	1	5	6
HIV / AIDS	0	0	1	1	0	0	0
Malignant neoplasms	60	12	57	38	32	24	31
...Colon, rectum, and anus	6	2	2	5	2	4	2
...Pancreas	3	0	3	2	1	1	5
...Trachea, bronchus, and lung	22	2	19	16	11	10	12
...Breast	7	1	7	0	2	0	4
...Cervix uteri, corpus uteri, and ovary	4	0	3	0	1	1	2
...Prostate	0	2	2	3	0	0	0
...Urinary tract	0	0	3	1	2	0	1
...Non-Hodgkin's lymphoma	1	0	1	0	1	1	1
...Leukemia	3	1	4	2	1	2	0
...Other malignant neoplasms	14	4	13	9	11	5	4
Diabetes mellitus	8	1	15	0	19	8	1
Alzheimer's disease	22	3	11	6	0	3	5
Parkinson's disease	4	0	3	1	2	3	2
Diseases of heart	87	12	56	51	29	25	54
Essential hypertension	5	1	6	0	20	1	5
Cerebrovascular diseases	16	4	16	7	4	3	6
Influenza and pneumonia	11	1	8	3	3	3	5
Chronic lower respiratory disease	25	3	22	15	7	9	8
Pneumonitis due to solids and liquids	2	0	1	1	0	0	0
Chronic liver disease and cirrhosis	6	1	4	3	2	0	2
Nephritis and nephrosis	6	0	6	2	3	3	3
Conditions orig. in perinatal period	3	0	1	0	1	0	0
Congenital anomalies	1	0	1	0	0	2	0
Symptoms and ill-defined conditions	4	0	2	2	0	1	1
All other diseases	50	9	35	17	20	12	22
Unintentional injuries	13	3	9	9	5	4	6
...Motor vehicle crashes	4	3	8	4	3	1	4
...Falls	1	0	0	1	1	1	0
...Accidental poisoning	6	0	0	4	0	0	2
...Other unintentional injuries	2	0	1	0	1	2	0
Suicide	7	0	7	3	1	0	5
Homicide	1	0	0	2	2	0	1
All other external causes	3	1	0	3	1	0	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Morgan	New Madrid	Newton	Nodaway	Oregon	Osage	Ozark
All causes	336	249	642	186	151	122	129
Enterocolitis due to Clostridium difficile	0	1	5	0	0	1	0
Septicemia	3	3	8	3	2	1	2
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	72	49	145	37	27	22	30
...Colon, rectum, and anus	3	6	16	6	4	3	4
...Pancreas	4	2	6	3	0	0	0
...Trachea, bronchus, and lung	29	10	36	9	9	5	10
...Breast	2	6	6	2	1	1	2
...Cervix uteri, corpus uteri, and ovary	0	4	9	2	0	2	0
...Prostate	1	2	8	1	0	1	1
...Urinary tract	4	5	9	1	1	0	1
...Non-Hodgkin's lymphoma	6	0	1	1	0	0	2
...Leukemia	3	0	9	2	0	2	2
...Other malignant neoplasms	20	14	45	10	12	8	8
Diabetes mellitus	12	4	10	8	4	3	0
Alzheimer's disease	5	14	21	11	4	1	1
Parkinson's disease	5	3	5	3	1	2	0
Diseases of heart	78	65	170	50	47	30	36
Essential hypertension	11	2	2	2	0	2	1
Cerebrovascular diseases	27	16	30	6	3	4	4
Influenza and pneumonia	9	6	13	3	2	2	2
Chronic lower respiratory disease	25	21	46	7	11	7	6
Pneumonitis due to solids and liquids	0	0	2	1	4	5	1
Chronic liver disease and cirrhosis	3	1	7	0	4	0	4
Nephritis and nephrosis	3	10	8	3	4	3	10
Conditions orig. in perinatal period	1	1	0	1	0	1	0
Congenital anomalies	1	0	2	0	0	0	1
Symptoms and ill-defined conditions	5	2	10	3	6	3	0
All other diseases	59	23	112	34	21	26	25
Unintentional injuries	12	14	25	12	6	6	6
...Motor vehicle crashes	4	7	15	7	2	2	1
...Falls	2	0	3	1	0	1	0
...Accidental poisoning	2	4	1	0	2	0	0
...Other unintentional injuries	4	3	6	4	2	3	5
Suicide	3	10	15	2	4	2	0
Homicide	2	3	3	0	0	0	0
All other external causes	0	1	3	0	1	1	0

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Pemiscot	Perry	Pettis	Phelps	Pike	Platte	Polk
All causes	237	218	445	494	204	691	329
Enterocolitis due to Clostridium difficile	1	1	0	0	0	2	1
Septicemia	7	2	3	6	2	9	4
HIV / AIDS	0	0	0	0	0	1	0
Malignant neoplasms	61	38	98	108	48	136	60
...Colon, rectum, and anus	4	2	8	9	5	9	5
...Pancreas	3	2	4	8	4	10	3
...Trachea, bronchus, and lung	24	12	27	29	15	37	18
...Breast	6	3	10	5	5	9	1
...Cervix uteri, corpus uteri, and ovary	4	1	8	5	2	3	5
...Prostate	3	3	3	8	2	6	2
...Urinary tract	2	1	3	6	3	6	2
...Non-Hodgkin's lymphoma	1	3	5	1	1	5	2
...Leukemia	3	1	4	6	2	7	2
...Other malignant neoplasms	11	10	26	31	9	44	20
Diabetes mellitus	2	5	13	15	3	22	15
Alzheimer's disease	3	14	14	12	9	23	11
Parkinson's disease	1	2	7	3	0	13	6
Diseases of heart	76	60	98	107	60	141	76
Essential hypertension	0	0	5	1	0	12	6
Cerebrovascular diseases	12	12	22	27	15	39	21
Influenza and pneumonia	3	3	15	9	3	4	5
Chronic lower respiratory disease	15	18	26	44	12	49	23
Pneumonitis due to solids and liquids	0	1	2	2	0	7	2
Chronic liver disease and cirrhosis	2	1	5	6	1	9	2
Nephritis and nephrosis	6	4	20	26	7	10	9
Conditions orig. in perinatal period	1	0	1	7	0	1	1
Congenital anomalies	1	1	0	1	1	2	1
Symptoms and ill-defined conditions	2	1	6	4	2	7	4
All other diseases	28	35	70	77	20	135	48
Unintentional injuries	12	12	30	27	11	40	25
...Motor vehicle crashes	8	1	12	6	3	12	6
...Falls	0	0	7	6	5	14	5
...Accidental poisoning	1	4	8	10	0	7	7
...Other unintentional injuries	3	7	3	5	3	7	7
Suicide	0	5	7	9	10	20	7
Homicide	2	1	1	1	0	7	0
All other external causes	2	2	2	2	0	2	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds	Ripley
All causes	320	80	110	295	281	72	169
Enterocolitis due to Clostridium difficile	1	0	0	0	3	0	0
Septicemia	3	1	1	8	2	0	0
HIV / AIDS	1	0	0	0	2	0	0
Malignant neoplasms	73	17	28	70	56	11	35
...Colon, rectum, and anus	5	1	3	4	6	2	4
...Pancreas	4	2	2	3	4	0	1
...Trachea, bronchus, and lung	21	2	10	20	21	2	8
...Breast	2	0	0	8	2	0	3
...Cervix uteri, corpus uteri, and ovary	0	1	2	1	3	0	1
...Prostate	2	3	1	3	0	1	2
...Urinary tract	2	2	1	4	3	0	3
...Non-Hodgkin's lymphoma	2	1	0	3	2	3	1
...Leukemia	3	0	0	2	3	0	2
...Other malignant neoplasms	32	5	9	22	12	3	10
Diabetes mellitus	11	3	4	11	9	5	3
Alzheimer's disease	11	3	4	11	6	1	5
Parkinson's disease	4	0	1	2	4	1	0
Diseases of heart	65	19	20	66	64	23	44
Essential hypertension	1	1	5	6	2	1	0
Cerebrovascular diseases	8	8	4	19	13	6	8
Influenza and pneumonia	4	1	6	3	3	1	1
Chronic lower respiratory disease	26	2	6	21	30	8	13
Pneumonitis due to solids and liquids	1	0	0	0	4	0	0
Chronic liver disease and cirrhosis	6	0	0	1	2	1	0
Nephritis and nephrosis	10	1	2	10	10	1	7
Conditions orig. in perinatal period	2	0	0	0	0	0	0
Congenital anomalies	1	1	1	1	1	0	3
Symptoms and ill-defined conditions	1	0	2	4	1	0	1
All other diseases	39	20	13	53	41	8	28
Unintentional injuries	29	2	9	4	19	4	15
...Motor vehicle crashes	12	1	2	2	8	2	6
...Falls	3	0	1	0	2	1	5
...Accidental poisoning	10	0	1	0	5	0	2
...Other unintentional injuries	4	1	5	2	4	1	2
Suicide	15	0	3	3	9	0	2
Homicide	3	0	1	0	0	1	2
All other external causes	5	1	0	2	0	0	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	St. Charles	St. Clair	St. Francois	Ste. Genevieve	St. Louis City	St. Louis County	Saline
All causes	2,839	151	747	192	3,016	10,002	255
Enterocolitis due to Clostridium difficile	13	0	2	0	4	25	0
Septicemia	39	1	6	1	54	146	1
HIV / AIDS	0	0	0	0	15	13	0
Malignant neoplasms	633	31	194	42	613	2,043	61
...Colon, rectum, and anus	45	3	16	4	56	170	5
...Pancreas	43	1	18	2	33	133	5
...Trachea, bronchus, and lung	181	12	72	16	207	506	15
...Breast	43	3	14	1	41	168	4
...Cervix uteri, corpus uteri, and ovary	25	2	8	0	44	114	3
...Prostate	29	1	8	2	35	92	1
...Urinary tract	37	1	14	4	28	123	3
...Non-Hodgkin's lymphoma	23	2	3	2	9	56	3
...Leukemia	23	1	5	4	14	75	3
...Other malignant neoplasms	184	5	36	7	146	606	19
Diabetes mellitus	60	3	17	6	72	236	6
Alzheimer's disease	119	9	43	6	58	509	7
Parkinson's disease	37	2	8	2	20	120	6
Diseases of heart	653	43	185	44	736	2,493	53
Essential hypertension	29	3	6	4	23	85	4
Cerebrovascular diseases	145	3	24	8	121	572	10
Influenza and pneumonia	60	4	9	2	42	222	1
Chronic lower respiratory disease	148	10	72	12	150	447	26
Pneumonitis due to solids and liquids	50	1	5	3	15	112	3
Chronic liver disease and cirrhosis	30	2	7	1	30	93	2
Nephritis and nephrosis	68	4	16	2	87	240	3
Conditions orig. in perinatal period	8	0	3	0	23	39	1
Congenital anomalies	11	0	4	1	8	28	0
Symptoms and ill-defined conditions	9	1	11	5	11	43	1
All other diseases	425	23	73	41	441	1,662	48
Unintentional injuries	212	6	47	10	310	602	11
...Motor vehicle crashes	36	2	16	2	52	105	4
...Falls	83	2	4	6	26	178	3
...Accidental poisoning	69	0	20	2	196	248	2
...Other unintentional injuries	24	2	7	0	36	71	2
Suicide	65	4	11	1	37	128	6
Homicide	15	1	2	1	138	125	3
All other external causes	10	0	2	0	8	19	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Schuyler	Scotland	Scott	Shannon	Shelby	Stoddard	Stone
All causes	46	66	461	89	85	383	404
Enterocolitis due to Clostridium difficile	0	0	2	0	0	0	1
Septicemia	1	1	4	2	2	6	6
HIV / AIDS	0	0	1	0	0	0	0
Malignant neoplasms	9	13	100	18	20	65	103
...Colon, rectum, and anus	3	1	10	3	2	5	6
...Pancreas	0	0	3	2	3	1	6
...Trachea, bronchus, and lung	2	3	33	8	6	26	35
...Breast	0	1	5	1	0	7	4
...Cervix uteri, corpus uteri, and ovary	0	3	0	1	0	3	5
...Prostate	0	1	6	0	1	3	3
...Urinary tract	0	0	8	0	4	1	6
...Non-Hodgkin's lymphoma	0	0	3	0	0	0	5
...Leukemia	1	0	4	0	0	6	5
...Other malignant neoplasms	3	4	28	3	4	13	28
Diabetes mellitus	1	3	3	2	2	5	6
Alzheimer's disease	2	6	21	1	1	16	10
Parkinson's disease	0	1	3	0	0	2	2
Diseases of heart	11	13	105	23	21	106	112
Essential hypertension	0	0	0	1	1	1	2
Cerebrovascular diseases	1	3	27	9	4	23	24
Influenza and pneumonia	2	1	8	2	3	5	10
Chronic lower respiratory disease	6	4	54	8	5	46	28
Pneumonitis due to solids and liquids	1	2	2	0	0	4	1
Chronic liver disease and cirrhosis	0	0	7	2	1	3	6
Nephritis and nephrosis	0	2	10	2	1	9	2
Conditions orig. in perinatal period	0	0	2	0	0	2	0
Congenital anomalies	0	0	0	0	1	1	1
Symptoms and ill-defined conditions	2	2	8	1	0	2	1
All other diseases	6	12	64	13	18	61	45
Unintentional injuries	4	3	25	4	3	20	22
...Motor vehicle crashes	2	2	8	3	2	11	9
...Falls	0	0	5	1	0	0	2
...Accidental poisoning	1	0	7	0	0	1	8
...Other unintentional injuries	1	1	5	0	1	8	3
Suicide	0	0	13	1	1	4	19
Homicide	0	0	2	0	0	0	2
All other external causes	0	0	0	0	1	2	1

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Sullivan	Taney	Texas	Vernon	Warren	Washington	Wayne
All causes	57	590	297	237	300	301	187
Enterocolitis due to Clostridium difficile	0	2	1	0	1	0	2
Septicemia	0	7	5	6	3	4	0
HIV / AIDS	0	1	0	0	1	0	0
Malignant neoplasms	12	125	73	52	59	53	48
...Colon, rectum, and anus	2	12	11	3	4	7	5
...Pancreas	0	7	4	1	4	3	5
...Trachea, bronchus, and lung	4	44	24	13	20	18	13
...Breast	1	7	3	7	2	4	0
...Cervix uteri, corpus uteri, and ovary	0	8	1	0	2	0	4
...Prostate	0	0	5	4	3	1	4
...Urinary tract	1	6	2	3	1	4	1
...Non-Hodgkin's lymphoma	1	5	2	1	1	1	3
...Leukemia	0	5	5	3	3	2	0
...Other malignant neoplasms	3	31	16	17	19	13	13
Diabetes mellitus	1	3	8	11	5	5	7
Alzheimer's disease	0	14	4	6	10	8	5
Parkinson's disease	1	4	2	1	4	1	0
Diseases of heart	19	206	70	73	85	120	35
Essential hypertension	1	0	2	1	4	1	1
Cerebrovascular diseases	1	25	19	13	14	12	5
Influenza and pneumonia	0	6	9	4	7	5	5
Chronic lower respiratory disease	1	44	25	14	20	18	28
Pneumonitis due to solids and liquids	0	2	2	1	9	1	1
Chronic liver disease and cirrhosis	1	6	2	5	3	6	2
Nephritis and nephrosis	1	17	19	2	10	4	7
Conditions orig. in perinatal period	0	1	1	2	1	0	0
Congenital anomalies	0	1	1	4	3	0	0
Symptoms and ill-defined conditions	1	6	1	1	2	1	1
All other diseases	13	76	32	32	27	41	22
Unintentional injuries	5	26	13	5	23	13	9
...Motor vehicle crashes	3	10	5	1	10	4	5
...Falls	0	3	2	0	3	2	0
...Accidental poisoning	0	10	4	1	5	3	1
...Other unintentional injuries	2	3	2	3	5	4	3
Suicide	0	15	3	3	7	7	5
Homicide	0	2	5	1	0	0	2
All other external causes	0	1	0	0	2	1	2

Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2016

	Webster	Worth	Wright	Unknown
All causes	326	37	246	1
Enterocolitis due to Clostridium difficile	1	0	1	0
Septicemia	3	0	5	0
HIV / AIDS	0	0	0	0
Malignant neoplasms	78	14	42	0
...Colon, rectum, and anus	4	1	5	0
...Pancreas	4	1	3	0
...Trachea, bronchus, and lung	21	2	12	0
...Breast	5	1	2	0
...Cervix uteri, corpus uteri, and ovary	4	3	4	0
...Prostate	4	1	1	0
...Urinary tract	2	1	2	0
...Non-Hodgkin's lymphoma	1	0	1	0
...Leukemia	9	1	2	0
...Other malignant neoplasms	24	3	10	0
Diabetes mellitus	5	0	5	0
Alzheimer's disease	16	2	14	0
Parkinson's disease	8	0	3	0
Diseases of heart	80	5	74	0
Essential hypertension	4	0	3	0
Cerebrovascular diseases	26	4	10	0
Influenza and pneumonia	2	0	7	0
Chronic lower respiratory disease	19	3	13	1
Pneumonitis due to solids and liquids	4	0	1	0
Chronic liver disease and cirrhosis	2	1	6	0
Nephritis and nephrosis	6	1	5	0
Conditions orig. in perinatal period	2	0	2	0
Congenital anomalies	0	0	2	0
Symptoms and ill-defined conditions	4	0	2	0
All other diseases	36	6	34	0
Unintentional injuries	21	1	11	0
...Motor vehicle crashes	6	1	3	0
...Falls	6	0	1	0
...Accidental poisoning	3	0	1	0
...Other unintentional injuries	6	0	6	0
Suicide	8	0	4	0
Homicide	0	0	1	0
All other external causes	1	0	1	0

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2016

	Ballwin	Blue Springs	Cape Girardeau	Chesterfield	Columbia	Florissant	Gladstone	Hazelwood
All causes	236	362	476	519	649	559	254	209
Enterocolitis due to Clostridium difficile	0	2	2	3	2	2	1	2
Septicemia	3	2	7	11	8	9	2	3
HIV / AIDS	0	0	0	0	1	0	0	0
Malignant neoplasms	67	94	89	82	150	118	75	47
...Colon, rectum, and anus	8	9	14	5	12	6	2	5
...Pancreas	5	9	2	3	10	2	5	2
...Trachea, bronchus, and lung	15	25	18	21	41	36	20	16
...Breast	3	9	5	6	11	9	6	2
...Cervix uteri, corpus uteri, and ovary	4	4	8	5	6	11	3	1
...Prostate	3	1	6	4	5	6	4	2
...Urinary tract	6	2	4	3	6	10	2	3
...Non-Hodgkin's lymphoma	2	2	3	3	4	3	3	1
...Leukemia	1	5	6	3	7	1	3	3
...Other malignant neoplasms	20	28	23	29	48	34	27	12
Diabetes mellitus	4	10	8	4	30	17	7	5
Alzheimer's disease	17	11	40	44	21	20	3	8
Parkinson's disease	6	3	5	11	11	5	2	1
Diseases of heart	55	78	114	133	129	161	52	57
Essential hypertension	2	0	1	0	8	6	4	3
Cerebrovascular diseases	14	9	24	32	39	33	17	9
Influenza and pneumonia	2	7	15	10	8	16	2	5
Chronic lower respiratory disease	11	22	25	18	32	28	14	8
Pneumonitis due to solids and liquids	5	5	5	8	5	7	4	3
Chronic liver disease and cirrhosis	3	4	3	3	5	5	2	2
Nephritis and nephrosis	1	3	11	8	9	21	5	5
Conditions orig. in perinatal period	1	4	2	1	2	2	1	3
Congenital anomalies	0	0	1	4	4	3	0	0
Symptoms and ill-defined conditions	1	3	11	1	7	2	1	0
All other diseases	35	66	82	116	130	67	39	35
Unintentional injuries	7	24	14	24	28	29	14	10
...Motor vehicle crashes	0	6	6	2	8	6	0	1
...Falls	2	7	4	14	7	8	3	1
...Accidental poisoning	5	8	1	5	8	10	10	6
...Other unintentional injuries	0	3	3	3	5	5	1	2
Suicide	1	10	5	6	13	4	7	1
Homicide	0	5	6	0	3	4	2	2
All other external causes	1	0	6	0	4	0	0	0

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2016

	Independence	Jefferson City	Joplin	Joplin - Newton County	Joplin - Jasper County	Kansas City	Kansas City - Jackson County	Kansas City - Clay County
All causes	1,348	449	554	79	475	3,791	2,710	731
Enterocolitis due to Clostridium difficile	4	1	3	0	3	12	9	1
Septicemia	24	7	8	2	6	71	56	9
HIV / AIDS	0	0	0	0	0	13	12	0
Malignant neoplasms	259	89	108	14	94	777	544	171
...Colon, rectum, and anus	26	11	15	3	12	62	52	8
...Pancreas	18	4	8	1	7	65	48	12
...Trachea, bronchus, and lung	78	26	20	1	19	228	152	53
...Breast	18	6	8	0	8	55	37	13
...Cervix uteri, corpus uteri, and ovary	13	4	4	1	3	28	19	9
...Prostate	14	4	6	2	4	33	26	5
...Urinary tract	15	5	5	1	4	41	31	7
...Non-Hodgkin's lymphoma	10	2	5	0	5	17	10	6
...Leukemia	9	1	4	1	3	31	16	13
...Other malignant neoplasms	58	26	33	4	29	217	153	45
Diabetes mellitus	26	10	10	1	9	111	83	15
Alzheimer's disease	43	14	18	2	16	85	54	22
Parkinson's disease	22	7	3	0	3	32	15	7
Diseases of heart	325	108	175	22	153	834	606	151
Essential hypertension	5	9	1	0	1	48	30	13
Cerebrovascular diseases	78	22	25	6	19	195	145	30
Influenza and pneumonia	19	14	9	0	9	53	42	10
Chronic lower respiratory disease	98	27	49	9	40	205	132	51
Pneumonitis due to solids and liquids	8	4	2	1	1	28	16	7
Chronic liver disease and cirrhosis	15	1	7	1	6	48	38	7
Nephritis and nephrosis	46	10	7	1	6	116	89	19
Conditions orig. in perinatal period	2	1	3	0	3	19	14	5
Congenital anomalies	6	1	3	0	3	22	18	2
Symptoms and ill-defined conditions	4	8	11	2	9	30	17	6
All other diseases	258	83	75	16	59	648	455	134
Unintentional injuries	56	28	16	1	15	239	177	43
...Motor vehicle crashes	12	6	2	0	2	62	46	13
...Falls	15	8	2	0	2	60	42	9
...Accidental poisoning	12	10	6	0	6	81	65	15
...Other unintentional injuries	17	4	6	1	5	36	24	6
Suicide	32	3	18	1	17	91	53	22
Homicide	12	2	1	0	1	107	101	4
All other external causes	6	0	2	0	2	7	4	2

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2016

	Kansas City - Platte County	Kansas City - Cass County	Kirkwood	Lee's Summit	Liberty	Maryland Heights	O'Fallon	Raytown
All causes	347	3	289	687	205	227	546	396
Enterocolitis due to Clostridium difficile	2	0	0	2	2	1	4	1
Septicemia	6	0	1	14	1	0	5	1
HIV / AIDS	1	0	0	0	0	0	0	0
Malignant neoplasms	61	1	56	157	45	46	109	83
...Colon, rectum, and anus	2	0	5	12	4	3	6	10
...Pancreas	5	0	2	13	6	6	4	7
...Trachea, bronchus, and lung	22	1	13	43	16	13	31	25
...Breast	5	0	6	15	4	5	4	3
...Cervix uteri, corpus uteri, and ovary	0	0	3	8	0	2	3	1
...Prostate	2	0	1	5	0	1	11	4
...Urinary tract	3	0	7	8	2	0	4	5
...Non-Hodgkin's lymphoma	1	0	2	2	3	1	4	3
...Leukemia	2	0	3	6	1	0	2	2
...Other malignant neoplasms	19	0	14	45	9	15	40	23
Diabetes mellitus	13	0	3	13	5	5	12	13
Alzheimer's disease	9	0	24	31	8	20	26	14
Parkinson's disease	10	0	3	8	6	6	7	5
Diseases of heart	76	1	74	163	36	46	117	92
Essential hypertension	5	0	7	0	3	2	4	3
Cerebrovascular diseases	20	0	25	34	16	13	26	18
Influenza and pneumonia	1	0	11	10	3	5	8	6
Chronic lower respiratory disease	22	0	15	31	11	10	24	33
Pneumonitis due to solids and liquids	5	0	2	4	0	2	5	2
Chronic liver disease and cirrhosis	3	0	3	6	2	2	3	2
Nephritis and nephrosis	7	1	8	23	5	6	18	12
Conditions orig. in perinatal period	0	0	0	5	1	0	0	2
Congenital anomalies	2	0	0	2	2	0	1	1
Symptoms and ill-defined conditions	7	0	2	4	0	0	2	2
All other diseases	59	0	38	130	44	46	107	81
Unintentional injuries	19	0	13	29	12	15	46	16
...Motor vehicle crashes	3	0	0	3	1	1	9	3
...Falls	9	0	6	10	3	3	20	6
...Accidental poisoning	1	0	6	9	4	7	14	3
...Other unintentional injuries	6	0	1	7	4	4	3	4
Suicide	16	0	4	15	3	2	19	5
Homicide	2	0	0	4	0	0	1	4
All other external causes	1	0	0	2	0	0	2	0

Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2016

	St. Charles	St. Joseph	St. Louis City	St. Peters	Springfield	University City	Wentzville	Wildwood
All causes	665	757	3,016	443	1,834	340	218	152
Enterocolitis due to Clostridium difficile	2	1	4	0	11	1	0	0
Septicemia	14	6	54	4	19	7	1	2
HIV / AIDS	0	1	15	0	1	0	0	0
Malignant neoplasms	131	149	613	99	318	78	47	48
...Colon, rectum, and anus	8	13	56	5	34	4	2	3
...Pancreas	11	9	33	5	22	8	5	3
...Trachea, bronchus, and lung	33	48	207	34	92	22	12	9
...Breast	10	7	41	4	22	6	3	4
...Cervix uteri, corpus uteri, and ovary	7	5	44	0	11	4	3	1
...Prostate	5	4	35	3	21	6	2	3
...Urinary tract	8	8	28	4	19	5	4	2
...Non-Hodgkin's lymphoma	3	7	9	6	8	0	2	3
...Leukemia	6	4	14	3	8	1	2	1
...Other malignant neoplasms	40	44	146	35	81	22	12	19
Diabetes mellitus	14	40	72	10	42	9	2	2
Alzheimer's disease	24	40	58	9	115	25	14	6
Parkinson's disease	11	7	20	4	19	4	2	2
Diseases of heart	148	163	736	120	431	86	48	32
Essential hypertension	10	5	23	4	14	1	3	1
Cerebrovascular diseases	32	44	121	23	108	25	13	12
Influenza and pneumonia	17	14	42	11	38	3	6	1
Chronic lower respiratory disease	42	70	150	28	121	15	9	4
Pneumonitis due to solids and liquids	18	5	15	4	24	2	5	0
Chronic liver disease and cirrhosis	7	9	30	5	25	4	1	1
Nephritis and nephrosis	21	11	87	10	33	8	3	2
Conditions orig. in perinatal period	1	2	23	1	12	0	2	0
Congenital anomalies	2	5	8	1	7	1	2	0
Symptoms and ill-defined conditions	3	9	11	0	11	2	0	0
All other diseases	97	129	441	68	310	46	34	23
Unintentional injuries	50	29	310	34	123	15	17	11
...Motor vehicle crashes	4	4	52	5	33	4	3	3
...Falls	24	6	26	13	17	4	6	6
...Accidental poisoning	16	8	196	11	55	4	6	2
...Other unintentional injuries	6	11	36	5	18	3	2	0
Suicide	16	10	37	7	39	4	6	4
Homicide	3	6	138	0	4	4	2	1
All other external causes	2	2	8	1	9	0	1	0

Table 27. Recorded Deaths by Type of Accident by Age by Sex: Missouri, 2016

	Total	All Ages		0-4 Years		05-14 Years		15-24 Years		25-44 Years		45-64 Years		65-74 Years		Over 74	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Recorded Total	3,770	2,393	1,377	70	36	20	13	260	98	766	300	614	298	195	97	468	535
Work Total	77	74	3	0	0	0	0	2	0	29	1	31	1	7	1	5	0
Heavy transport vehicle	5	5	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0
Other motor vehicle	19	18	1	0	0	0	0	0	0	6	1	10	0	2	0	0	0
Other transport	3	3	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0
Falls	13	11	2	0	0	0	0	0	0	3	0	6	1	1	1	1	0
Farm machinery	5	5	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0
Other machinery	3	3	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
Struck by/against object	15	15	0	0	0	0	0	1	0	7	0	6	0	0	0	1	0
Electric current	2	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Other/unspecified accident	12	12	0	0	0	0	0	1	0	6	0	2	0	3	0	0	0
Home Total	1,571	935	636	49	24	3	3	67	38	338	159	247	173	63	39	168	200
Falls	446	219	227	1	0	0	0	0	1	2	1	28	24	38	22	150	179
Machinery	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Firearms	9	7	2	1	1	0	0	1	0	1	0	3	1	1	0	0	0
Struck by/against object	12	10	2	1	0	0	0	0	0	2	0	4	0	0	1	3	1
Drowning	17	10	7	4	3	1	0	3	0	0	3	2	0	0	1	0	0
Choke/suffocate	72	50	22	33	17	0	1	1	0	7	1	5	2	3	0	1	1
Excess natural heat/cold	15	9	6	2	0	0	0	0	0	1	0	3	2	1	0	2	4
Fire/flame/smoke	62	34	28	4	0	1	0	1	1	4	3	11	11	7	5	6	8
Poisoning (drug/alcohol)	858	539	319	1	0	0	0	57	34	303	149	173	128	5	6	0	2
Poisoning (gas/other)	13	9	4	0	0	0	0	0	0	4	1	3	0	2	2	0	1
Other/unspecified accident	66	47	19	2	3	1	2	4	2	14	1	15	5	6	2	5	4
Public Transport Total	977	702	275	8	6	14	8	143	52	214	82	182	60	67	23	74	44
Car or truck	711	472	239	7	6	8	6	107	44	137	69	108	53	46	19	59	42
Pedestrian	98	80	18	1	0	3	1	15	2	25	9	25	2	4	3	7	1
Pedal cyclist	8	8	0	0	0	1	0	0	0	5	0	2	0	0	0	0	0
Motorcyclist	115	105	10	0	0	0	0	17	2	39	2	36	4	11	1	2	1
Railroad (not motor vehicle)	6	4	2	0	0	0	0	1	2	1	0	2	0	0	0	0	0
Non-road vehicle (including ATV)	15	14	1	0	0	2	1	2	0	3	0	2	0	1	0	4	0
Water transport	12	11	1	0	0	0	0	1	0	3	0	3	1	3	0	1	0
Air transport	6	4	2	0	0	0	0	0	1	0	1	2	0	1	0	1	0
Other/unspecified transport	6	4	2	0	0	0	0	0	1	1	1	2	0	1	0	0	0
Public Non-Transport Total	1,116	660	456	13	6	3	2	48	8	179	57	142	63	56	32	219	288
Falls	373	166	207	0	0	1	0	1	0	4	1	15	4	21	15	124	187
Machinery	9	9	0	1	0	0	0	1	0	2	0	2	0	1	0	2	0
Firearms	5	5	0	1	0	0	0	4	0	0	0	0	0	0	0	0	0
Struck by/against object	16	15	1	0	0	0	0	1	0	5	1	4	0	2	0	3	0
Drowning	48	37	11	3	3	2	1	12	0	11	1	6	1	1	0	2	5
Choke/suffocate	104	67	37	8	1	0	0	0	0	6	1	15	10	7	4	31	21
Excess natural heat/cold	17	9	8	0	1	0	0	0	0	1	1	2	2	3	0	3	4
Fire/flame/smoke	7	5	2	0	0	0	0	0	0	2	1	2	0	0	0	1	1
Poisoning (drug/alcohol)	359	255	104	0	0	0	1	28	7	138	51	78	40	7	2	4	3
Poisoning (gas/other)	7	6	1	0	0	0	0	0	0	2	0	4	1	0	0	0	0
Other/unspecified accident	171	86	85	0	1	0	0	1	1	8	0	14	5	14	11	49	67
Late Effects of Accidents	29	22	7	0	0	0	0	0	0	6	1	12	1	2	2	2	3

Table 28. Resident Deaths by Selected Variables by Determination of Tobacco Use Contributing to Cause of Death: Missouri, 2016

	Total	Tobacco Use Contributed to Death				Percentage			
		Yes	Probably	No	Unknown	Yes	Probably	No	Unknown
<u>State Total</u>	59,824	6,700	3,196	28,903	21,025	11.2	5.3	48.3	35.1
<u>Gender</u>									
Male	30,412	3,853	1,916	13,586	11,057	12.7	6.3	44.7	36.4
Female	29,412	2,847	1,280	15,317	9,968	9.7	4.4	52.1	33.9
<u>Decedent's Race</u>									
White Non-Hisp	52,290	6,069	2,875	25,013	18,333	11.6	5.5	47.8	35.1
Black Non-Hisp	6,317	554	262	3,231	2,270	8.8	4.1	51.1	35.9
Other Non-Hisp*	686	48	31	374	233	7.0	4.5	54.5	34.0
Hispanic, Any Race	501	27	26	275	173	5.4	5.2	54.9	34.5
<u>Decedent's Age</u>									
Under 35	2,772	15	15	2,309	433	0.5	0.5	83.3	15.6
35-44	1,737	66	53	1,136	482	3.8	3.1	65.4	27.7
45-54	3,721	440	212	1,716	1,353	11.8	5.7	46.1	36.4
55-64	8,114	1,392	597	2,985	3,140	17.2	7.4	36.8	38.7
65-74	11,245	2,054	859	4,107	4,225	18.3	7.6	36.5	37.6
75-84	14,341	1,841	877	6,347	5,276	12.8	6.1	44.3	36.8
85+	17,894	892	583	10,303	6,116	5.0	3.3	57.6	34.2
<u>Underlying Cause of Death</u>									
Heart Disease	14,569	1,293	785	6,199	6,292	8.9	5.4	42.5	43.2
Cancer	12,691	2,383	963	5,081	4,264	18.8	7.6	40.0	33.6
...Lung Cancer	3,705	1,725	514	334	1,132	46.6	13.9	9.0	30.6
...Other Cancer	8,986	658	449	4,747	3,132	7.3	5.0	52.8	34.9
Chronic lower respiratory disease	3,960	1,717	530	522	1,191	43.4	13.4	13.2	30.1
Stroke	3,063	164	148	1,506	1,245	5.4	4.8	49.2	40.6
Unintentional injuries	3,610	48	31	2,945	586	1.3	0.9	81.6	16.2
Alzheimer's disease	2,302	28	21	1,556	697	1.2	0.9	67.6	30.3
Diabetes mellitus	1,508	183	99	649	577	12.1	6.6	43.0	38.3
Influenza and pneumonia	1,149	58	56	588	447	5.0	4.9	51.2	38.9
Nephritis and nephrosis	1,481	68	39	751	623	4.6	2.6	50.7	42.1
Other	15,491	758	524	9,106	5,103	4.9	3.4	58.8	32.9

*: Includes deaths of persons of multiple races, but not persons of unknown race.

Table 29. Resident Deaths by Selected Characteristics by Sex: Missouri, 2016

	Total	Female	Male
<u>State Total</u>	59,824	29,412	30,412
<u>Certifier</u>			
Certifying Physician	47,790	25,193	22,597
Medical Examiner/Coroner	12,031	4,217	7,814
Other	3	2	1
<u>Death Place</u>			
Inpatient	16,260	7,817	8,443
Emergency Room/Outpatient	3,726	1,418	2,308
Dead on Arrival	78	19	59
Decedent's Home	19,134	8,473	10,661
Hospice Facility	1,935	1,057	878
Nursing Home	15,929	9,680	6,249
Other	2,761	948	1,813
Unknown	1	0	1
<u>Month of Death</u>			
January	5,342	2,658	2,684
February	4,855	2,463	2,392
March	5,221	2,515	2,706
April	5,069	2,501	2,568
May	4,828	2,411	2,417
June	4,790	2,285	2,505
July	4,831	2,360	2,471
August	4,837	2,366	2,471
September	4,643	2,283	2,360
October	5,008	2,460	2,548
November	4,859	2,402	2,457
December	5,541	2,708	2,833

	Total	Female	Male
<u>Disposition</u>			
Burial	30,519	16,181	14,338
Cremation	26,393	11,736	14,657
Donation	1,303	699	604
Entombment	406	204	202
Removal from State	1,158	574	584
Other	45	18	27
<u>Marital Status</u>			
Married	22,000	7,355	14,645
Divorced	10,069	4,594	5,475
Widowed	20,270	14,704	5,566
Never Married	7,184	2,660	4,524
Unknown	301	99	202
<u>Education of Deceased</u>			
8th Grade or Less	6,891	3,562	3,329
9th to 11th Grade	7,083	3,444	3,639
High School Graduates	26,488	13,417	13,071
Some College	10,927	5,437	5,490
Bachelor's Degree	4,976	2,160	2,816
Post-Graduate Degree	2,794	1,117	1,677
Unknown	665	275	390
<u>Autopsy</u>			
Yes	3,159	982	2,177
Yes, but not used	252	98	154

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2016

Total Population

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	nQ_x	L_x	nD_x	nL_x	T_x	E_x
0-1	0.0066	100,000	656	99,409	7,734,164	77.3
1-5	0.0013	99,344	127	397,120	7,634,755	76.9
5-10	0.0006	99,216	61	495,930	7,237,635	72.9
10-15	0.0007	99,156	70	495,604	6,741,704	68.0
15-20	0.0034	99,086	339	494,582	6,246,101	63.0
20-25	0.0062	98,747	613	492,205	5,751,518	58.2
25-30	0.0073	98,135	715	488,885	5,259,314	53.6
30-35	0.0085	97,419	829	485,023	4,770,429	49.0
35-40	0.0106	96,590	1,028	480,380	4,285,405	44.4
40-45	0.0131	95,562	1,250	474,685	3,805,026	39.8
45-50	0.0181	94,312	1,704	467,302	3,330,341	35.3
50-55	0.0280	92,609	2,592	456,562	2,863,039	30.9
55-60	0.0412	90,016	3,704	440,821	2,406,476	26.7
60-65	0.0568	86,312	4,905	419,298	1,965,656	22.8
65-70	0.0791	81,407	6,437	390,943	1,546,358	19.0
70-75	0.1184	74,970	8,876	352,661	1,155,415	15.4
75-80	0.1796	66,094	11,867	300,802	802,754	12.1
80-85	0.2743	54,227	14,877	233,941	501,952	9.3
85+	1.0000	39,350	39,350	268,011	268,011	6.8

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2016

Male Population

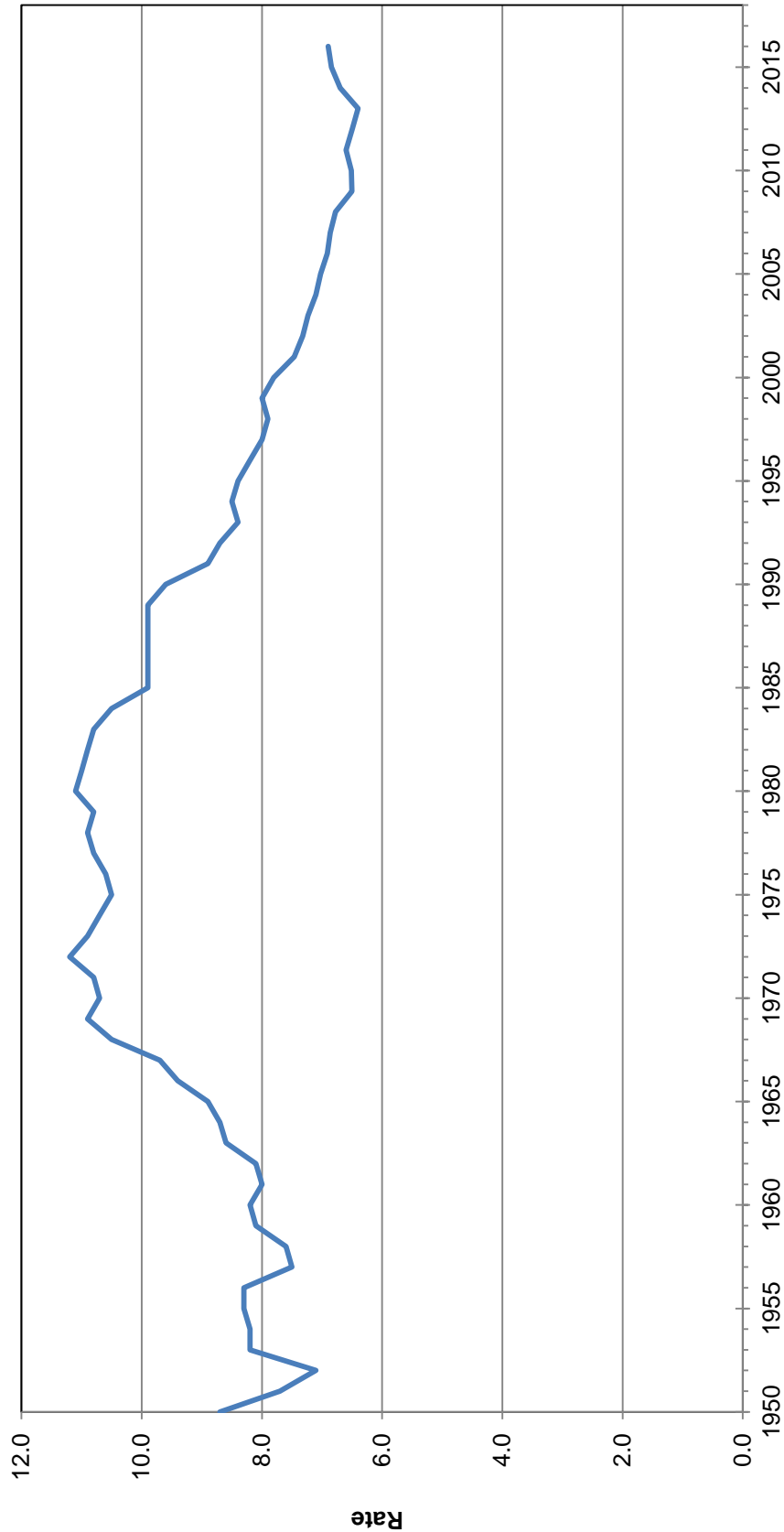
Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	L_x	${}_nD_x$	${}_nL_x$	T_x	E_x
0-1	0.0076	100,000	760	99,316	7,465,226	74.7
1-5	0.0016	99,240	163	396,632	7,365,910	74.2
5-10	0.0006	99,076	63	495,225	6,969,278	70.3
10-15	0.0009	99,013	84	494,856	6,474,053	65.4
15-20	0.0051	98,929	500	493,394	5,979,197	60.4
20-25	0.0089	98,429	879	489,946	5,485,803	55.7
25-30	0.0108	97,550	1,049	485,127	4,995,857	51.2
30-35	0.0112	96,501	1,080	479,807	4,510,729	46.7
35-40	0.0139	95,421	1,322	473,801	4,030,923	42.2
40-45	0.0164	94,099	1,544	466,634	3,557,121	37.8
45-50	0.0218	92,555	2,022	457,717	3,090,488	33.4
50-55	0.0340	90,532	3,081	444,958	2,632,771	29.1
55-60	0.0519	87,451	4,536	425,913	2,187,813	25.0
60-65	0.0699	82,914	5,796	400,081	1,761,899	21.2
65-70	0.0946	77,118	7,296	367,350	1,361,818	17.7
70-75	0.1399	69,822	9,768	324,689	994,468	14.2
75-80	0.2097	60,054	12,595	268,780	669,779	11.2
80-85	0.3129	47,458	14,848	200,172	401,000	8.4
85+	1.0000	32,610	32,610	200,828	200,828	6.2

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2016

Female Population

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	L_x	${}_nD_x$	${}_nL_x$	T_x	E_x
0-1	0.0055	100,000	547	99,508	8,003,490	80.0
1-5	0.0009	99,453	90	397,633	7,903,983	79.5
5-10	0.0006	99,363	58	496,672	7,506,349	75.5
10-15	0.0006	99,305	55	496,390	7,009,677	70.6
15-20	0.0017	99,250	167	495,834	6,513,288	65.6
20-25	0.0033	99,083	330	494,592	6,017,453	60.7
25-30	0.0038	98,754	374	492,833	5,522,861	55.9
30-35	0.0058	98,380	573	490,464	5,030,028	51.1
35-40	0.0074	97,806	726	487,216	4,539,564	46.4
40-45	0.0098	97,080	951	483,023	4,052,348	41.7
45-50	0.0143	96,129	1,378	477,199	3,569,325	37.1
50-55	0.0221	94,751	2,095	468,516	3,092,126	32.6
55-60	0.0309	92,656	2,860	456,130	2,623,610	28.3
60-65	0.0447	89,796	4,010	438,956	2,167,480	24.1
65-70	0.0650	85,786	5,579	414,985	1,728,523	20.1
70-75	0.0995	80,208	7,983	381,081	1,313,538	16.4
75-80	0.1547	72,225	11,170	333,199	932,458	12.9
80-85	0.2462	61,055	15,031	267,696	599,259	9.8
85+	1.0000	46,024	46,024	331,564	331,564	7.2

Graph F. Marriage Rates per 1,000 Population: Missouri, 1950-2016



Year	Marriages	Rate	Year	Marriages	Rate
1950	34,300	8.7	1985	49,484	9.9
1955	34,162	8.3	1990	49,063	9.6
1960	35,368	8.2	1995	45,057	8.4
1965	39,882	8.9	2000	43,665	7.8
1970	50,224	10.7	2005	40,675	7.0
1975	50,147	10.5	2010	38,998	6.5
1980	54,625	11.1	2011	39,481	6.6
			2012	39,378	6.5
			2013	38,932	6.4
			2014	40,779	6.7
			2015	41,377	6.8
			2016	41,747	6.9

Table 31. Reported Marriages by Month of Event: Missouri, 2016

	Total	<u>Gender</u>			
		Male-Female	Female-Female	Male-Male	Not Stated
Total	41,747	39,965	974	603	205
January	1,644	1,566	44	30	4
February	1,808	1,731	44	25	8
March	2,363	2,268	51	36	8
April	3,556	3,405	78	48	25
May	4,476	4,325	83	53	15
June	4,757	4,588	100	44	25
July	3,985	3,841	78	48	18
August	3,183	3,051	71	43	18
September	4,804	4,590	103	63	48
October	5,759	5,531	145	71	12
November	2,668	2,523	76	63	6
December	2,744	2,546	101	79	18

Table 32. Reported Male-Female Marriages by Age: Missouri, 2016

Age of Male	Total	14 And Under	Age of Female													
			15	16	17	18	19	20	21	22	23	24	25	26	27	28
Total	39,965	0	21	22	97	579	888	1,227	1,558	1,998	2,142	2,377	2,416	2,372	2,208	1,906
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
16	4	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0
17	21	0	3	4	4	5	3	1	0	1	0	0	0	0	0	0
18	209	0	7	4	21	84	56	21	5	2	0	3	1	0	1	0
19	472	0	4	2	27	151	137	66	43	10	3	14	5	1	4	0
20	840	0	2	8	14	123	197	237	118	58	22	15	12	8	3	9
21	1,078	0	1	0	10	70	154	229	264	161	68	44	24	17	5	5
22	1,446	0	0	0	8	42	95	208	298	364	201	88	47	26	21	12
23	1,821	0	2	1	3	34	75	143	248	429	397	205	102	56	40	23
24	1,894	0	0	0	2	20	63	83	185	237	379	428	231	85	56	38
25	2,110	0	1	0	3	7	19	70	101	234	311	436	402	215	114	63
26	2,144	0	1	0	1	9	16	54	89	119	206	294	422	392	210	93
27	2,117	0	0	0	0	7	13	26	56	111	125	199	286	400	383	176
28	1,960	0	0	0	0	6	16	19	38	73	104	156	210	253	303	315
29	1,930	0	0	1	1	7	7	16	27	51	81	114	175	231	267	277
30	1,736	0	0	0	0	2	6	12	21	37	60	86	113	182	185	196
31	1,503	0	0	0	0	3	2	11	17	29	43	68	107	112	128	152
32	1,308	0	0	0	0	1	3	3	5	18	35	48	65	74	113	97
33	1,281	0	0	0	0	4	8	4	9	16	15	41	46	69	87	95
34	1,127	0	0	0	0	0	3	2	5	7	19	30	41	51	50	65
35-39	4,304	0	0	0	1	1	9	15	15	23	51	65	85	128	172	195
40-44	2,877	0	0	0	0	3	1	6	9	9	11	25	22	38	40	59
45-49	2,366	0	0	1	0	0	0	0	2	6	8	9	10	21	17	22
50-54	1,947	0	0	0	0	0	1	1	3	1	3	6	5	7	7	8
55-59	1,435	0	0	0	0	0	2	0	0	1	0	0	2	1	2	1
60-64	884	0	0	0	0	0	0	0	0	0	0	2	3	2	0	4
65-69	574	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
70-74	298	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
75 +	274	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Not Stated	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 32. Reported Male-Female Marriages by Age: Missouri, 2016

<u>Age of Male</u>	<u>Age of Female</u>															
	29	30	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 +	Not Stated
Total	1,736	1,477	1,386	1,191	1,096	963	3,633	2,473	2,212	1,599	1,088	611	403	154	127	5
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	1	2	1	0	1	0	0	0	0	0	0	0	0
20	6	0	3	1	2	0	2	0	0	0	0	0	0	0	0	0
21	1	7	2	2	2	2	7	2	1	0	0	0	0	0	0	0
22	7	5	7	1	2	3	9	0	1	0	0	0	1	0	0	0
23	16	8	7	7	6	2	13	3	1	0	0	0	0	0	0	0
24	19	13	15	9	8	4	15	4	0	0	0	0	0	0	0	0
25	37	16	17	20	11	5	20	5	2	1	0	0	0	0	0	0
26	68	42	32	19	18	13	25	14	5	2	0	0	0	0	0	0
27	100	62	47	26	28	22	33	11	6	0	0	0	0	0	0	0
28	144	79	61	57	38	18	54	10	5	0	1	0	0	0	0	0
29	255	137	76	54	45	24	60	16	4	2	1	0	0	0	0	1
30	219	207	120	93	55	33	78	22	7	1	1	0	0	0	0	0
31	158	149	170	103	69	54	105	16	5	1	0	1	0	0	0	0
32	150	129	150	104	70	74	135	21	8	4	1	0	0	0	0	0
33	119	120	144	120	100	67	169	36	8	4	0	0	0	0	0	0
34	77	90	112	105	121	112	168	46	18	4	1	0	0	0	0	0
35-39	227	278	264	297	316	322	1,316	389	97	27	7	4	0	0	0	0
40-44	70	75	101	116	122	123	806	787	361	64	23	6	0	0	0	0
45-49	37	37	33	29	47	52	362	599	746	263	50	11	4	0	0	0
50-54	20	20	14	16	22	17	154	307	539	556	181	44	9	5	1	0
55-59	4	3	6	7	8	7	68	123	259	425	399	93	20	2	2	0
60-64	0	0	1	2	1	6	22	36	90	161	271	212	57	12	2	0
65-69	1	0	0	1	2	0	8	17	33	56	105	161	154	26	8	0
70-74	0	0	2	1	1	1	3	5	9	17	31	55	98	57	15	0
75 +	0	0	0	0	0	1	0	3	7	11	16	24	60	52	99	0
Not Stated	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

Table 33A: Reported Marriages by Age and Previous Marital Status: Missouri, 2016

Age	Male-Female								Same-Sex							
	Female				Male				Partner 1				Partner 2			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	39,965	26,370	1,127	12,362	39,965	26,197	1,093	12,581	1,577	1,246	8	322	1,577	1,222	18	335
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	21	21	0	0	1	1	0	0	0	0	0	0	0	0	0	0
16	22	22	0	0	4	4	0	0	0	0	0	0	0	0	0	0
17	97	95	0	0	21	21	0	0	0	0	0	0	0	0	0	0
18	579	579	0	0	209	209	0	0	8	8	0	0	8	8	0	0
19	888	881	0	4	472	471	0	0	10	10	0	0	18	18	0	0
20	1,227	1,210	1	13	840	834	0	5	11	11	0	0	27	25	0	2
21	1,558	1,522	0	35	1,078	1,066	0	11	31	31	0	0	27	26	1	0
22	1,998	1,929	0	67	1,446	1,424	0	21	36	36	0	0	41	39	0	2
23	2,142	2,025	3	111	1,821	1,790	0	31	39	39	0	0	43	40	0	3
24	2,377	2,227	4	144	1,894	1,818	0	70	42	40	0	2	50	48	0	2
25	2,416	2,249	2	163	2,110	1,991	1	117	65	60	0	5	57	52	0	4
26	2,372	2,150	1	218	2,144	1,980	1	161	60	56	0	4	64	57	0	7
27	2,208	1,907	3	296	2,117	1,931	0	185	53	45	0	8	58	55	0	3
28	1,906	1,595	5	302	1,960	1,737	2	218	63	54	0	9	64	59	1	4
29	1,736	1,375	5	349	1,930	1,684	2	239	50	46	0	4	57	50	0	7
30	1,477	1,086	1	385	1,736	1,425	2	309	55	44	0	10	60	48	1	11
31	1,386	939	11	429	1,503	1,195	1	302	48	42	0	6	62	51	0	11
32	1,191	778	8	400	1,308	973	1	331	41	35	0	6	43	34	0	9
33	1,096	630	12	451	1,281	877	4	397	39	35	0	4	41	34	0	7
34	963	519	18	423	1,127	747	1	375	48	36	0	12	41	34	0	7
35-39	3,633	1,429	68	2,124	4,304	2,175	43	2,075	209	162	1	46	219	161	2	55
40-44	2,473	562	84	1,816	2,877	879	34	1,953	166	116	1	49	153	101	1	51
45-49	2,212	310	121	1,771	2,366	461	73	1,822	160	118	1	41	122	79	4	39
50-54	1,599	171	148	1,276	1,947	273	126	1,537	148	106	1	41	141	96	2	43
55-59	1,088	102	139	844	1,435	139	126	1,164	99	65	2	32	92	61	3	28
60-64	611	37	161	409	884	60	158	665	55	30	0	25	55	27	2	26
65-69	403	13	147	242	574	15	171	385	17	10	1	6	17	9	0	8
70-74	154	2	97	54	298	10	148	140	11	4	0	7	10	6	0	4
75 +	127	2	88	36	274	5	199	68	13	7	1	5	7	4	1	2
Not Stated	5	3	0	0	4	2	0	0	0	0	0	0	0	0	0	0
Median Age at Marriage	29.1	26.2	57.7	40.7	31.1	27.8	64.0	43.8	37.1	34.9	53.1	44.9	35.5	33.1	48.9	43.4

Table 33B: Reported Same-Sex Marriages by Age and Previous Marital Status: Missouri, 2016

<u>Age</u>	<u>Female-Female</u>								<u>Male-Male</u>							
	<u>Partner 1</u>				<u>Partner 2</u>				<u>Partner 1</u>				<u>Partner 2</u>			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	974	750	4	219	974	721	15	236	603	496	4	103	603	501	3	99
18	6	6	0	0	7	7	0	0	2	2	0	0	1	1	0	0
19	10	10	0	0	12	12	0	0	0	0	0	0	6	6	0	0
20	10	10	0	0	19	17	0	2	1	1	0	0	8	8	0	0
21	24	24	0	0	18	18	0	0	7	7	0	0	9	8	1	0
22	27	27	0	0	30	28	0	2	9	9	0	0	11	11	0	0
23	25	25	0	0	28	25	0	3	14	14	0	0	15	15	0	0
24	26	25	0	1	32	31	0	1	16	15	0	1	18	17	0	1
25	50	46	0	4	35	31	0	3	15	14	0	1	22	21	0	1
26	39	36	0	3	46	40	0	6	21	20	0	1	18	17	0	1
27	40	33	0	7	38	35	0	3	13	12	0	1	20	20	0	0
28	48	40	0	8	46	42	1	3	15	14	0	1	18	17	0	1
29	33	29	0	4	41	35	0	6	17	17	0	0	16	15	0	1
30	38	28	0	9	39	30	1	8	17	16	0	1	21	18	0	3
31	38	34	0	4	36	29	0	7	10	8	0	2	26	22	0	4
32	26	21	0	5	33	25	0	8	15	14	0	1	10	9	0	1
33	29	25	0	4	35	28	0	7	10	10	0	0	6	6	0	0
34	29	19	0	10	27	21	0	6	19	17	0	2	14	13	0	1
35-39	136	99	0	37	146	96	2	47	73	63	1	9	73	65	0	8
40-44	94	56	1	37	98	57	1	40	72	60	0	12	55	44	0	11
45-49	79	51	1	27	56	28	3	25	81	67	0	14	66	51	1	14
50-54	72	51	0	21	71	36	2	33	76	55	1	20	70	60	0	10
55-59	50	31	1	18	43	27	3	13	49	34	1	14	49	34	0	15
60-64	29	17	0	12	21	12	2	7	26	13	0	13	34	15	0	19
65-69	5	3	1	1	9	6	0	3	12	7	0	5	8	3	0	5
70-74	5	1	0	4	6	3	0	3	6	3	0	3	4	3	0	1
75 +	6	3	0	3	2	2	0	0	7	4	1	2	5	2	1	2
Median Age at Marriage	34.5	32.1	51.0	42.8	33.8	31.4	49.0	41.0	42.0	39.6	53.7	51.5	39.0	36.5	45.6	52.4

Table 34A. Reported Male-Female Marriages by Race: Missouri, 2016

<u>Race of Female Partner</u>	Total	<u>Race of Male Partner</u>			
		White	Black	Other	Unknown
Total	39,965	32,127	4,227	1,353	2,258
White	32,560	30,683	847	630	400
Black	3,614	301	3,219	47	47
Other	1,470	706	88	670	6
Unknown	2,321	437	73	6	1,805

Table 34B. Reported Female-Female Marriages by Race: Missouri, 2016

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>			
		White	Black	Other	Unknown
Total	974	715	136	36	87
White	714	665	16	20	13
Black	137	16	113	6	2
Other	28	16	2	10	0
Unknown	95	18	5	0	72

Table 34C. Reported Male-Male Marriages by Race: Missouri, 2016

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>			
		White	Black	Other	Unknown
Total	603	521	26	19	37
White	498	468	11	10	9
Black	26	12	14	0	0
Other	33	23	1	9	0
Unknown	46	18	0	0	28

Table 35A. Reported Marriages by County of Recording with Rates per 1,000 Population: Missouri, 2016

Counties	Population	Marriages	Rate
State Total	6,093,000	41,747	6.9
Adair	25,359	143	5.6
Andrew	17,350	113	6.5
Atchison	5,293	33	6.2
Audrain	26,021	143	5.5
Barry	35,732	165	4.6
Barton	11,908	71	6.0
Bates	16,417	105	6.4
Benton	18,839	102	5.4
Bollinger	12,052	55	4.6
Boone	176,594	1,172	6.6
Buchanan	88,938	614	6.9
Butler	42,739	299	7.0
Caldwell	9,062	56	6.2
Callaway	45,078	205	4.5
Camden	44,497	310	7.0
Cape Girardeau	78,913	597	7.6
Carroll	8,913	46	5.2
Carter	6,168	27	4.4
Cass	102,845	614	6.0
Cedar	14,016	91	6.5
Chariton	7,516	41	5.5
Christian	84,401	432	5.1
Clark	6,723	50	7.4
Clay	239,085	1,592	6.7
Clinton	20,610	84	4.1
Cole	76,631	503	6.6
Cooper	17,712	92	5.2
Crawford	24,302	150	6.2
Dade	7,631	15	2.0
Dallas	16,448	83	5.0
Daviess	8,209	70	8.5
DeKalb	12,613	65	5.2
Dent	15,387	126	8.2
Douglas	13,358	83	6.2
Dunklin	30,535	184	6.0
Franklin	102,838	741	7.2
Gasconade	14,808	85	5.7
Gentry	6,661	40	6.0

Counties	Population	Marriages	Rate
Greene	288,690	2,414	8.4
Grundy	10,165	63	6.2
Harrison	8,556	60	7.0
Henry	21,594	137	6.3
Hickory	9,269	52	5.6
Holt	4,448	27	6.1
Howard	10,058	57	5.7
Howell	40,210	363	9.0
Iron	10,022	68	6.8
Jackson	691,801	6,026	8.7
Jasper	119,111	1,002	8.4
Jefferson	224,226	1,176	5.2
Johnson	53,942	405	7.5
Knox	3,934	25	6.4
Laclede	35,490	321	9.0
Lafayette	32,618	212	6.5
Lawrence	38,381	293	7.6
Lewis	10,134	48	4.7
Lincoln	55,267	344	6.2
Linn	12,164	50	4.1
Livingston	15,235	122	8.0
Macon	15,170	107	7.1
Madison	12,443	64	5.1
Maries	8,858	53	6.0
Marion	28,894	221	7.6
McDonald	22,620	183	8.1
Mercer	3,699	22	5.9
Miller	25,206	141	5.6
Mississippi	13,799	116	8.4
Moniteau	16,018	60	3.7
Monroe	8,558	52	6.1
Montgomery	11,620	53	4.6
Morgan	20,213	135	6.7
New Madrid	17,915	95	5.3
Newton	58,694	362	6.2
Nodaway	22,670	116	5.1
Oregon	10,789	52	4.8
Osage	13,664	87	6.4
Ozark	9,237	52	5.6

Counties	Population	Marriages	Rate
Pemiscot	17,073	106	6.2
Perry	19,285	139	7.2
Pettis	42,213	383	9.1
Phelps	44,608	305	6.8
Pike	18,438	150	8.1
Platte	98,309	657	6.7
Polk	31,285	217	6.9
Pulaski	52,654	434	8.2
Putnam	4,853	34	7.0
Ralls	10,224	90	8.8
Randolph	24,989	163	6.5
Ray	22,754	127	5.6
Reynolds	6,455	27	4.2
Ripley	13,817	104	7.5
Saline	22,980	149	6.5
Schuyler	4,394	32	7.3
Scotland	4,932	36	7.3
Scott	38,745	271	7.0
Shannon	8,168	49	6.0
Shelby	6,082	40	6.6
St. Charles	390,918	2,197	5.6
St. Clair	9,272	59	6.4
St. Francois	66,627	483	7.2
St. Louis City	311,404	2,874	9.2
St. Louis County	998,581	5,599	5.6
Ste. Genevieve	18,030	110	6.1
Stoddard	29,588	230	7.8
Stone	31,047	157	5.1
Sullivan	6,262	36	5.7
Taney	54,735	721	13.2
Texas	25,775	163	6.3
Vernon	20,723	172	8.3
Warren	33,802	215	6.4
Washington	24,839	143	5.8
Wayne	13,139	77	5.9
Webster	38,106	257	6.7
Worth	2,024	7	3.5
Wright	18,286	101	5.5

Table 35B. Reported Marriages by Gender and County of Recording: Missouri, 2016

Counties	Male-Female	Female-Female	Male-Male	Not Stated
State Total	39965	974	603	205
Adair	138	2	2	1
Andrew	111	0	1	1
Atchison	33	0	0	0
Audrain	143	0	0	0
Barry	159	0	1	5
Barton	70	1	0	0
Bates	86	5	0	14
Benton	100	0	0	2
Bollinger	54	1	0	0
Boone	1095	58	19	0
Buchanan	614	0	0	0
Butler	294	4	1	0
Caldwell	55	1	0	0
Callaway	202	2	1	0
Camden	305	5	0	0
Cape Girardeau	571	11	9	6
Carroll	43	1	1	1
Carter	27	0	0	0
Cass	598	13	3	0
Cedar	89	2	0	0
Chariton	41	0	0	0
Christian	426	3	3	0
Clark	48	0	1	1
Clay	1525	37	30	0
Clinton	81	2	1	0
Cole	492	7	4	0
Cooper	88	2	0	2
Crawford	143	5	2	0
Dade	14	1	0	0
Dallas	81	2	0	0
Daviess	63	1	1	5
DeKalb	65	0	0	0
Dent	125	1	0	0
Douglas	83	0	0	0
Dunklin	182	2	0	0
Franklin	731	5	4	1
Gasconade	84	1	0	0
Gentry	40	0	0	0

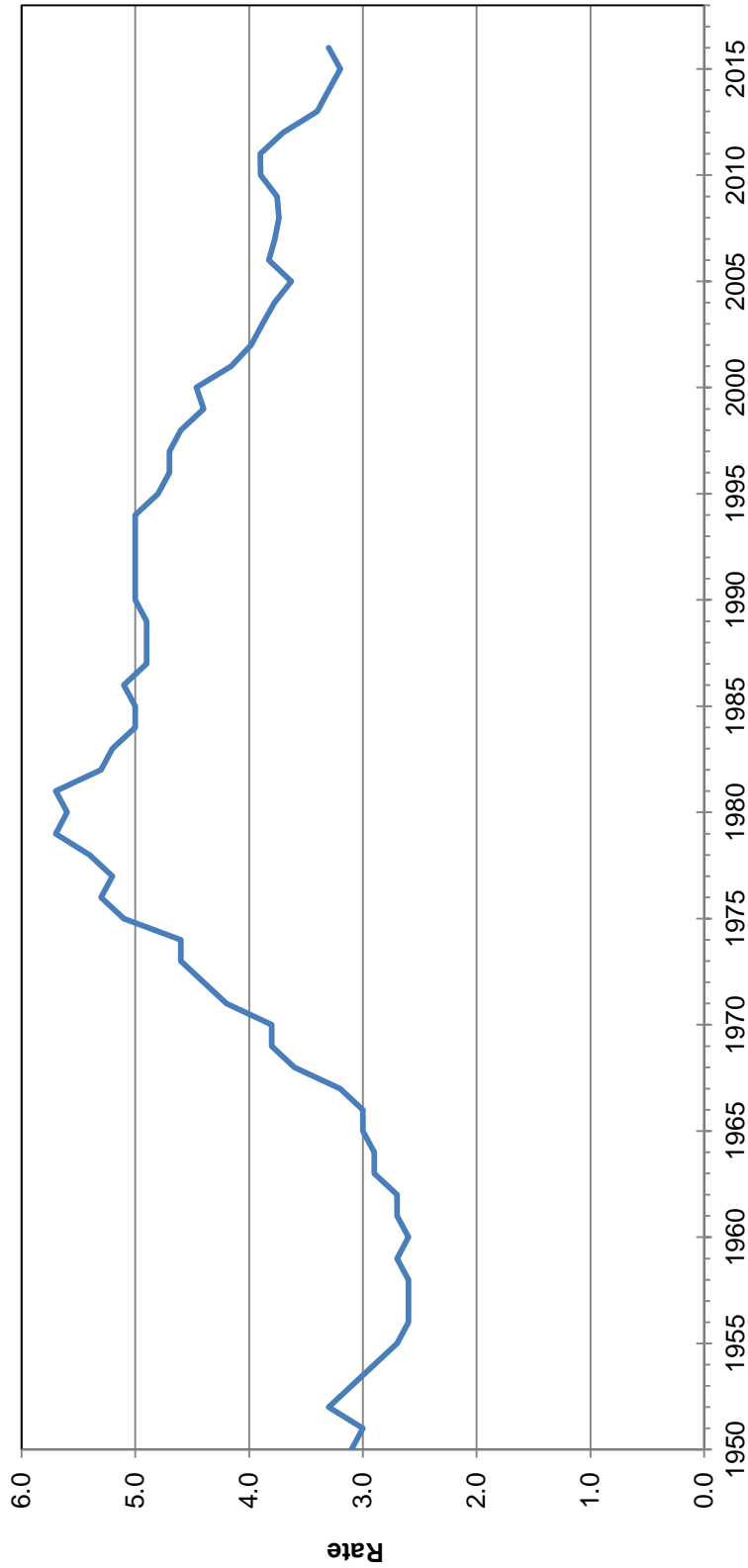
Counties	Male-Female	Female-Female	Male-Male	Not Stated
Greene	2293	81	40	0
Grundy	45	0	0	18
Harrison	59	1	0	0
Henry	135	0	1	1
Hickory	52	0	0	0
Holt	23	0	0	4
Howard	55	2	0	0
Howell	357	5	1	0
Iron	65	1	1	1
Jackson	5688	184	154	0
Jasper	960	29	13	0
Jefferson	1142	25	7	2
Johnson	392	13	0	0
Knox	24	0	1	0
Laclede	312	5	4	0
Lafayette	207	3	2	0
Lawrence	274	0	0	19
Lewis	47	1	0	0
Lincoln	336	6	2	0
Linn	50	0	0	0
Livingston	116	3	0	3
Macon	104	3	0	0
Madison	63	1	0	0
Maries	53	0	0	0
Marion	216	5	0	0
McDonald	174	6	3	0
Mercer	20	0	1	1
Miller	141	0	0	0
Mississippi	111	4	0	1
Moniteau	59	1	0	0
Monroe	50	0	2	0
Montgomery	53	0	0	0
Morgan	131	3	0	1
New Madrid	94	1	0	0
Newton	357	3	2	0
Nodaway	115	1	0	0
Oregon	52	0	0	0
Osage	79	2	1	5
Ozark	51	0	0	1

Counties	Male-Female	Female-Female	Male-Male	Not Stated
Pemiscot	100	3	1	2
Perry	133	4	0	2
Pettis	374	7	1	1
Phelps	296	5	4	0
Pike	145	3	0	2
Platte	641	10	6	0
Polk	214	2	1	0
Pulaski	415	16	3	0
Putnam	29	1	0	4
Ralls	90	0	0	0
Randolph	162	1	0	0
Ray	69	1	2	55
Reynolds	27	0	0	0
Ripley	102	1	1	0
Saline	147	1	1	0
Schuyler	28	0	2	2
Scotland	36	0	0	0
Scott	266	3	2	0
Shannon	49	0	0	0
Shelby	40	0	0	0
St. Charles	2140	34	21	2
St. Clair	53	1	0	5
St. Francois	466	12	3	2
St. Louis City	2612	119	114	29
St. Louis County	5332	163	103	1
Ste. Genevieve	107	1	2	0
Stoddard	227	3	0	0
Stone	156	0	1	0
Sullivan	33	1	2	0
Taney	710	4	6	1
Texas	162	1	0	0
Vernon	167	3	2	0
Warren	210	3	2	0
Washington	141	2	0	0
Wayne	75	2	0	0
Webster	256	1	0	0
Worth	5	1	0	1
Wright	96	1	4	0

Table 35C. Reported Marriages by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2016

BRFSS Region	Population	Total	Rate	Male-Female	Rate	Same-Sex	Rate
State Total	6,093,000	41,747	6.9	39,965	6.6	1,577	0.3
Northeast	250,705	1,674	6.7	1,609	6.4	33	0.1
Northwest	239,617	1,596	6.7	1,563	6.5	21	0.1
Central	722,169	4,808	6.7	4,643	6.4	156	0.2
Southeast	573,168	3,915	6.8	3,814	6.7	86	0.2
Southwest	932,502	6,985	7.5	6,740	7.2	212	0.2
St. Louis Region	2,141,338	13,296	6.2	12,646	5.9	615	0.3
Kansas City Region	1,233,501	9,473	7.7	8,950	7.3	454	0.4
Metro	4,570,027	31,175	6.8	29,687	6.5	1,372	0.3
Non-Metro	1,522,973	10,572	6.9	10,278	6.7	205	0.1

Graph G. Dissolution Rates per 1,000 Population: Missouri, 1950-2016



Year	Dissolutions	Rate	Year	Dissolutions	Rate
1950	12,177	3.1	1985	24,990	5.0
1955	11,351	2.7	1990	25,701	5.0
1960	11,320	2.6	1995	25,733	4.8
1965	13,261	3.0	2000	24,980	4.5
1970	17,852	3.8	2005	21,013	3.6
1975	24,527	5.1	2010	23,349	3.9
1980	27,595	5.6	2011	23,272	3.9
			2012	22,553	3.7
			2013	20,684	3.4
			2014	19,877	3.3
			2015	19,330	3.2
			2016	19,997	3.3

Table 36. Reported Marriage Dissolution Decrees by Month and by Type of Decree: Missouri, 2016

	Total Decrees	Dissolutions	Legal Separations	Annulments
State Total	20,098	19,949	101	48
December	1,718	1,704	10	4
January	1,413	1,403	5	5
February	1,458	1,443	11	4
March	1,799	1,778	15	6
April	1,751	1,738	9	4
May	1,828	1,815	10	3
June	1,938	1,933	4	1
July	1,464	1,451	8	5
August	1,744	1,733	6	5
September	1,761	1,746	10	5
October	1,568	1,557	8	3
November	1,656	1,648	5	3

Table 37. Reported Dissolutions and Annulments of Marriage by Number of Previous Marriages: Missouri, 2016

<u>Husband</u>	Total	<u>Wife</u>						
		None	One	Two	Three	Four	Five Or More	Unknown
State Total	19,997	11,488	4,281	1,346	441	140	47	2,254
None	11,487	9,390	1,626	281	74	17	3	96
One	4,342	1,645	1,791	577	170	58	17	84
Two	1,380	296	566	326	115	30	12	35
Three	378	61	147	87	53	15	6	9
Four	105	15	32	31	10	14	2	1
Five Or More	49	5	18	11	9	0	4	2
Unknown	2,256	76	101	33	10	6	3	2,027

Table 38. Reported Dissolutions and Annulments of Marriage by Duration of Marriage and Number of Children Affected: Missouri, 2016

<u>Duration</u>	Total	<u>Children Affected</u>							
		No Children	One	Two	Three	Four	Five	Six Or More	Unknown
State Total	19,997	10,497	4,070	3,519	1,329	309	70	28	175
Under 1 Year	543	462	42	19	9	1	0	0	10
1 Year	1,104	872	152	42	17	8	4	0	9
2 Years	1,314	881	269	110	25	4	1	2	22
3 Years	1,371	828	327	146	37	9	1	1	22
4 Years	1,358	762	337	195	35	6	6	0	17
5 Years	1,271	644	333	224	52	9	2	1	6
6 Years	1,095	539	276	188	65	16	2	0	9
7 Years	977	432	220	228	72	21	4	0	0
8-9 Years	1,755	708	411	432	157	29	5	4	9
10-12 Years	2,105	788	435	570	234	49	11	3	15
13-15 Years	1,641	595	296	467	209	52	12	4	6
16-19 Years	1,733	598	344	473	221	65	15	5	12
20-24 Years	1,477	651	351	292	126	29	6	6	16
25-29 Years	947	651	179	77	29	5	1	2	3
30-34 Years	522	453	47	14	5	1	0	0	2
35-39 Years	295	274	9	7	3	0	0	0	2
40 Years and	215	204	4	2	3	1	0	0	1
Unknown	274	155	38	33	30	4	0	0	14

Table 39. Reported Dissolutions and Annulments of Marriage by Race of Wife by Race of Husband: Missouri, 2016

<u>Wife</u>	Total	<u>Husband</u>			
		White	Black	Other	Unknown
State Total	19,997	15,297	1,898	319	2,483
White	15,373	14,706	322	143	202
Black	1,660	120	1,492	21	27
Other	362	180	30	149	3
Unknown	2,602	291	54	6	2,251

Table 40. Reported Dissolutions and Annulments of Marriage by Petitioner by Disposition of Children and by Child Support Awarded: Missouri, 2016

<u>Petitioner</u>	Total	<u>Custody Given To:</u>					
		Husband	Wife	Joint	Other	No Children	Unknown
State Total	19,997	421	2,164	6,235	209	10,955	13
Husband	7,399	346	303	2,386	93	4,266	5
Wife	11,956	62	1,813	3,686	111	6,276	8
Joint	168	3	11	54	2	98	0
Other	21	0	0	0	0	21	0
Unknown	453	10	37	109	3	294	0

<u>Petitioner</u>	Total	<u>Child Support Awarded To:</u>					
		Husband	Wife	No Support	Other	Unknown	No Child
State Total	19,997	507	5,348	3,073	30	84	10,955
Husband	7,399	332	1,442	1,320	9	30	4,266
Wife	11,956	158	3,791	1,660	20	51	6,276
Joint	168	4	29	34	1	2	98
Other	21	0	0	0	0	0	21
Unknown	453	13	86	59	0	1	294

Table 41. Reported Dissolutions and Annulments of Marriage by Age of Wife by Age of Husband: Missouri, 2016

<u>Age of Wife</u>	Total	<u>Age of Husband</u>									
		Less Than 20	20-24	25-29	30-34	35-39	40-44	45-54	55-64	65 +	Unknown
Total	19,997	17	683	2,062	2,925	3,051	2,847	4,779	2,379	919	335
Less Than 20	55	2	36	9	3	1	0	3	0	0	1
20-24	1,120	10	488	457	81	34	15	15	5	2	13
25-29	2,619	1	109	1,192	898	239	89	47	10	3	31
30-34	3,192	1	15	251	1,400	955	324	164	34	9	39
35-39	3,129	1	15	60	338	1,306	835	475	55	6	38
40-44	2,776	0	5	24	86	336	1,082	1,070	129	13	31
45-54	4,082	2	3	12	31	104	387	2,498	898	93	54
55-64	1,872	0	0	2	4	10	31	374	1,068	351	32
65 +	575	0	0	4	1	1	3	27	117	415	7
Unknown	577	0	12	51	83	65	81	106	63	27	89

Table 42A: Reported Dissolutions and Annulments by County of Recording with Rates per 1,000 Population: Missouri, 2016

Counties	Population	Decrees	Rate
<i>State Total</i>	<i>6,093,000</i>	<i>19,997</i>	<i>3.3</i>
Adair	25,359	40	1.6
Andrew	17,350	267	15.4
Atchison	5,293	17	3.2
Audrain	26,021	88	3.4
Barry	35,732	54	1.5
Barton	11,908	34	2.9
Bates	16,417	57	3.5
Benton	18,839	70	3.7
Bollinger	12,052	43	3.6
Boone	176,594	521	3.0
Buchanan	88,938	139	1.6
Butler	42,739	263	6.2
Caldwell	9,062	24	2.6
Callaway	45,078	133	3.0
Camden	44,497	129	2.9
Cape Girardeau	78,913	294	3.7
Carroll	8,913	31	3.5
Carter	6,168	20	3.2
Cass	102,845	262	2.5
Cedar	14,016	67	4.8
Chariton	7,516	14	1.9
Christian	84,401	255	3.0
Clark	6,723	1	0.1
Clay	239,085	890	3.7
Clinton	20,610	40	1.9
Cole	76,631	122	1.6
Cooper	17,712	57	3.2
Crawford	24,302	117	4.8
Dade	7,631	22	2.9
Dallas	16,448	48	2.9
Daviess	8,209	20	2.4
DeKalb	12,613	31	2.5
Dent	15,387	83	5.4
Douglas	13,358	69	5.2
Dunklin	30,535	145	4.7
Franklin	102,838	388	3.8
Gasconade	14,808	46	3.1
Gentry	6,661	87	13.1

Counties	Population	Decrees	Rate
Greene	288,690	1,182	4.1
Grundy	10,165	51	5.0
Harrison	8,556	43	5.0
Henry	21,594	103	4.8
Hickory	9,269	34	3.7
Holt	4,448	9	2.0
Howard	10,058	39	3.9
Howell	40,210	204	5.1
Iron	10,022	25	2.5
Jackson	691,801	1,940	2.8
Jasper	119,111	545	4.6
Jefferson	224,226	571	2.5
Johnson	53,942	197	3.7
Knox	3,934	15	3.8
Laclede	35,490	157	4.4
Lafayette	32,618	117	3.6
Lawrence	38,381	114	3.0
Lewis	10,134	30	3.0
Lincoln	55,267	167	3.0
Linn	12,164	46	3.8
Livingston	15,235	59	3.9
Macon	15,170	49	3.2
Madison	12,443	66	5.3
Maries	8,858	39	4.4
Marion	28,894	127	4.4
McDonald	22,620	59	2.6
Mercer	3,699	14	3.8
Miller	25,206	104	4.1
Mississippi	13,799	53	3.8
Moniteau	16,018	53	3.3
Monroe	8,558	24	2.8
Montgomery	11,620	29	2.5
Morgan	20,213	41	2.0
New Madrid	17,915	43	2.4
Newton	58,694	185	3.2
Nodaway	22,670	70	3.1
Oregon	10,789	38	3.5
Osage	13,664	35	2.6
Ozark	9,237	19	2.1

Counties	Population	Decrees	Rate
Pemiscot	17,073	90	5.3
Perry	19,285	67	3.5
Pettis	42,213	185	4.4
Phelps	44,608	140	3.1
Pike	18,438	45	2.4
Platte	98,309	342	3.5
Polk	31,285	101	3.2
Pulaski	52,654	212	4.0
Putnam	4,853	20	4.1
Ralls	10,224	39	3.8
Randolph	24,989	86	3.4
Ray	22,754	94	4.1
Reynolds	6,455	20	3.1
Ripley	13,817	67	4.8
Saline	22,980	65	2.8
Schuyler	4,394	10	2.3
Scotland	4,932	9	1.8
Scott	38,745	205	5.3
Shannon	8,168	27	3.3
Shelby	6,082	16	2.6
St. Charles	390,918	1,281	3.3
St. Clair	9,272	44	4.7
St. Francois	66,627	285	4.3
St. Louis City	311,404	551	1.8
St. Louis County	998,581	2,969	3.0
Ste. Genevieve	18,030	48	2.7
Stoddard	29,588	186	6.3
Stone	31,047	106	3.4
Sullivan	6,262	28	4.5
Taney	54,735	249	4.5
Texas	25,775	102	4.0
Vernon	20,723	80	3.9
Warren	33,802	94	2.8
Washington	24,839	110	4.4
Wayne	13,139	49	3.7
Webster	38,106	109	2.9
Worth	2,024	98	48.4
Wright	18,286	84	4.6

Table 42B: Reported Dissolutions and Annulments by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2016

BRFSS Region	Population	Decrees Recorded	Rate
TOTAL	6,093,000	19,997	3.3
NORTHEAST	250,705	788	3.1
NORTHWEST	239,617	1,009	4.2
CENTRAL	722,169	2,323	3.2
SOUTHEAST	573,168	2,512	4.4
SOUTHWEST	932,502	3,461	3.7
ST. LOUIS REGION	2,141,338	6,138	2.9
KANSAS CITY REGION	1,233,501	3,766	3.1
METRO	4,570,027	14,027	3.1
NON-METRO	1,522,973	5,970	3.9

APPENDIX

On January 1, 2010, the Missouri Department of Health and Senior Services (MDHSS) implemented two significant changes relating to the tabulation of statistical data on vital events in Missouri. MDHSS launched a web-based registration system and began registering births and deaths using the 2003 Revision of the US Standard Certificates of Live Births and Deaths. The web-based registration system collected some existing data items in different ways. The revised certificates stopped collecting some data items, included new data items, and collected old information in new ways. As a result, differences in tabulations since 2010 may be the result of changes in data collection methods rather than changes in health status. Major changes in data collection methods are addressed in this appendix. Differences between 2016 tabulations and pre-2010 tabulations should be evaluated with these changes in mind.

RELIABILITY OF THE DATA

In analyzing any data including Vital Statistics, the potential for error in the data must not be overlooked. There are several types of errors possible including: under-registration, errors made by the informant, and errors in compiling and processing.

The most potentially dangerous error is that of improper interpretation. Statistics are neither more true nor false than the interpretation given to them. Particular caution must be used in analyzing trend data, because changes have occurred over the years in medical diagnosis, coding definitions, and registration methodology.

Care should be taken in using rates where the number of events or reference population is small. Minor differences in the number of events may result in major changes in the rates. Rates based on fewer than 20 events are very unstable. Most of the rates computed for this report are crude rates. In comparing rates for geographic areas and time periods, crude rates are limited because they do not take into account the differences in age, sex, race, and other population characteristics.

SOURCES OF VITAL RECORDS

Vital statistics in Missouri are compiled from six basic records which are filed with MDHSS by state law. These records are: (1) live birth records, (2) death records, and (3) fetal death records, each beginning in 1911; (4) marriage and (5) divorce records, beginning in 1949; and (6) abortion records, beginning in 1975.

Missouri cooperates with other states in the exchange of records for live births, fetal deaths, deaths, and abortions, including events occurring to Missouri residents in other states. However, MDHSS has not received individual abortion records from Illinois since 1983 and did not receive records from Tennessee clinics from 1997 to 2005. Instead, MDHSS received estimates of Missouri resident abortions from some Tennessee clinics from 1997 to 2005 and an estimate of Missouri resident abortions was received from Illinois for 1988-2016. These estimates are shown in Graph D.

There is no interstate exchange of records for marriages, dissolutions, and annulments. Tables using these data files (Tables 31 through 42) report events that occurred in Missouri, regardless of the residence of the parties involved.

The data within this report represent the 2016 calendar year of events. Live births were accepted through February 24, 2017, death, fetal death and abortion records through April 15, 2017, and marriages and dissolutions by May 15, 2017.

Except where noted, historical vital statistics data are taken from annual MDHSS vital statistics reports.

POPULATION

All Missouri county and city population estimates for 2016 were developed by the United States Census Bureau (Vintage 2016). Counts for all decennial years were taken from the United States Census Bureau for those years. Age-sex-specific estimates and counts were also taken from the Census Bureau with the exception of the Less than Age One population, which used the number of that year's resident live births.

The source of the state total estimates for non-Census years 1911-1969 is the US Census Bureau P-25 series. State estimates for 1971-1979 were obtained from the US Census Bureau publication, "Preliminary Intercensal Estimates of the Population of Counties." Age-sex-specific population estimates for 1981 - 1989 were developed by the US Census Bureau in unpublished tables. State population estimates for 1991-1999 and 2001-2009 also came from the US Census Bureau. MDHSS used these as controls in developing 1991-1999 age-sex-specific population estimates for Missouri. Estimates of the 2001-2009 age-sex-specific state population were adjusted to the 2010 counts and provided by the US Census Bureau (published October 2012). State total population estimates for 2011-2016 came from the US Census Bureau (Vintage 2016).

RACE and HISPANIC ORIGIN (ETHNICITY)

Since the 1989 report, birth, fetal death, and infant death data have been presented by race of mother. Before 1989, this data was presented by race of child. The change in 1989 was implemented to be consistent with the National Center for Health Statistics (NCHS), which also implemented this change in 1989. Race of child had been computed by an algorithm based on the race of mother and race of father. Persons of mixed parentage were classified according to the race of the nonwhite parent. Because of this rather arbitrary formula and the increasing proportion of out-of-wedlock births in which father's race is missing, it was decided by NCHS to implement this change to race of mother.

Beginning with the 2010 vital statistics report, tabulations of race for live births, deaths, and abortions refer to four mutually-exclusive groups that take into account Hispanic origin. The groups are "white, non-Hispanic"; "black, non-Hispanic"; "other/multiple race, non-Hispanic"; and "Hispanic, all races". For tabulations prior to 2010, "race" refers to the classification of the population into three distinct groups: white, black, and other. Before 2010, persons of Latin American birth or ancestry who were not identified as being American Indian or other designated race were classified as white.

The 2010 methodology was changed to be consistent with changes in population data from the decennial US Census and the 2003 US Standard certificates for live births and deaths, and the 2003 US Standard Report of Fetal Death. Prior to 2010, only one race could be selected. "Multiple race" was available as a primary selection, but no details were captured. Beginning with 2010 birth and death data, more than one race can be selected. Analysis of 2016 Missouri resident data showed that 3.2 percent of births were to mothers of multiple races and 0.3 percent of deaths were to multiple race decedents. Therefore, records of mothers and decedents which indicate only white or only black as their race, and do not indicate Hispanic origin, are classified in this report as white, non-Hispanic, or black, non-Hispanic, respectively. The "other/multiple, non-Hispanic" race group now includes persons selecting multiple races as well as persons identified as American Indian or Alaska Native (AIAN), Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, or other specified race,

but not of Hispanic origin. Persons of unknown race are not included in “other/multiple,” but are included in the total of all races. This method allows for comparison of statistics on race across the different methods of collecting race information.

Appendix Table A shows the effects of the changes in race and Hispanic origin classification on low birth weight using 2016 resident live births. The number of white, non-Hispanic and black, non-Hispanic births using the 2010 method were both reduced from the White and Black totals using the pre-2010 method, as the Hispanic births and births involving multiple races have been removed. White, non-Hispanic births (2010 method) were 6.1 percent less than white births (pre-2010 method). The 2010 method resulted in about 9% percent fewer black, non-Hispanic births than black births using the pre-2010 method. The low birth weight rate for white, non-Hispanics of 7.5 percent was exactly the same as the white rate. The low birth weight rate for black, non-Hispanics was 15.1 percent compared to 15.0 percent for black births using the pre-2010 method. The overall black to white ratio for low birth weight was 2.01 using the pre-2010 method compared with 2.03 using the new 2010 method.

Appendix Table A
Effects of Changes in Racial Classification Methods on 2016 Low Birth Weight
(less than 5.5 lbs) Rates by Race

Pre-2010 Definition (single race* selected)

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
White	58,932	4,405	7.5	
Black	11,396	1,710	15.0	2.01
Other and Multiple	4,022	358	8.9	
Unknown race	314	26	8.3	
Total	74,664	6,499	8.7	

2010 Definition (multiple races and Hispanic origin included)**

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
White, Non-Hispanic	55,322	4,124	7.5	
Black, Non-Hispanic	10,379	1,572	15.1	2.03
Hispanic, any Race	4,133	306	7.4	
Other and Multiple	4,752	486	10.2	
Unknown race	78	11	14.1	
Total (includes unknown race)	74,664	6,499	8.7	

* Single-race method includes Hispanic mothers in White, Black and Other/Multiple classifications.

**Multiple-race method excludes Hispanic mothers from White, Black and Other/Multiple classifications.

Users of the MDHSS MOPHIMS/MICA query tools

(<https://webapp01.dhss.mo.gov/MOPHIMS/MICAHome>) should note that the above changes are not reflected in the Birth and Death MICA queries for 2010 and beyond. Instead, an algorithm from NCHS is used to make race-specific statistics from both multiple-race and single-race data collection systems that are sufficiently comparable to permit analysis. Hispanic origin was maintained as a separate category of analysis in the Birth and Death MICAs. This was done to keep

analyses as consistent with the prior years of data as possible. (Filtering of Hispanic origin for data queries is still supported.)

As a result, small differences will be found between statistics calculated by MICA and statistics in this report. For instance, the black to white infant death rate ratio increases from 2.32 using the single-race method (Death MICA) to 2.45 using the multiple-race method (this report). The changes in racial classification had a greater effect on the “other/multiple race, non-Hispanic” category as the low birth weight rate for this group increased from 8.9 percent using the single-race method to 10.2 percent using the multiple-race method. The birth denominator count for this classification was similar using both methods, but the individual mothers within each group were very different. The single-race method includes a large proportion of Hispanics as “other/multiple race”, while the multiple-race method includes mothers with multiple declared races instead. (See Appendix Table A above.)

"RESIDENT" AND "RECORDED" EVENTS

It is important to understand the significance of the terms "Resident" and "Recorded" when analyzing vital statistics.

"Resident" data for vital events are compiled in relation to persons residing in a particular area, independent of where the event occurred. An exception to this is that when a person dies in a hospital, nursing home, or other institution, the usual place of residence before admission determines the place of residence. In the case of live births, fetal deaths, and infant deaths, the residence of the mother is considered to be the residence of the child. "Recorded" data for vital events are based on where the event occurred. Analysis using recorded data may include records of non-Missouri residents.

Resident and recorded figures are independent of each other and should neither be added to nor subtracted from the other. Thus, the number of events occurring or not occurring in the same geographic area where the people reside cannot be simply calculated from resident and recorded data. Each table indicates whether the analysis is for resident or recorded data.

GEOCODING

Beginning with 2008 data, MDHSS uses a computerized geocoding package (Address Broker) to improve the accuracy of residence address information on Missouri resident birth and death records for the entire state. If the record's address, including resident county, city, and zip code, matches well with available address data, the software over-writes the existing values on the record and also adds latitude, longitude, and Census tract. If no match is available or the best match is not accurate enough, address information is left as reported, and latitude, longitude, and Census tract are not added.

From 2000 through 2007, only the following metropolitan counties were geocoded: Buchanan, Cass, Clay, Greene, Jackson, Jefferson, Platte, Ray, St. Charles, St. Louis County, and St. Louis City.

REGIONS

Beginning with the 2010 report, Missouri Regional Planning Commission areas were replaced with Behavioral Risk Factor Surveillance System (BRFSS) regions. This change was made to support and enhance MDHSS BRFSS survey data. More information on BRFSS, along with public access

data, can be found at: <http://health.mo.gov/data/brfss/BRFSSRegionsMap.pdf>. A map of the BRFSS region boundaries is included in this report on page vi.

METRO (METROPOLITAN) vs. NON-METRO COUNTIES

Tables displaying BRFSS region data also include metro and non-metro groupings. These groupings cut across BRFSS regions so that a subset of all BRFSS regions is not equivalent to the metro or non-metro groupings. The metro counties are: Andrew, Bollinger, Buchanan, Bates, Boone, Caldwell, Callaway, Cape Girardeau, Cass, Christian, Clay, Clinton, Cole, Dallas, Greene, Franklin, Howard, Jackson, Jasper, Jefferson, Lafayette, Lincoln, McDonald, Moniteau, Newton, Osage, Platte, Polk, Ray, St. Charles, St. Louis, Warren, Webster, and Washington counties, as well St. Louis City. The eighty other counties are defined as non-metro. A map of Metro and non-metro regions is included in this report on page vi, adapted from a map prepared by the US Census Bureau, Geography Division. (US Department of Commerce, Economics and Statistics Administration, August 31, 2010.)

UNKNOWNNS AND IMPUTED DATA

Records of Missouri residents with unknown county of residence are included in the state totals of this publication. In general, state totals always include records with variables that have any unknown values. The number of 2016 records with unknown county of residence by system is as follows:

Live Births.....	0
Fetal Deaths	1
Deaths.....	1
Abortions	51

To account for unknown data items and inconsistencies in reporting to MDHSS, the following imputations and data interpretations were made in this report:

- Unknown sex is considered male.
- Unknown county of mother’s or decedent’s residence is replaced with the county of recording when the recording occurs in Missouri.
- Unknown marital status is considered not married, out-of-wedlock. (Prior to 2010, unknown marital status was considered married.)
- Unknown live birth order is considered 1st.
- Unknown number born is considered singleton.
- Maternal age greater than or equal to age 65 is considered unknown.
- Unknown month of last live birth is considered June.
- Unknown day of last live birth is considered 15th.
- Unknown average amount smoked for any trimester or for the three months prior to pregnancy is considered unknown maternal smoking status.
- Prepregnancy weight less than 50 pounds or greater than 400 pounds is considered unknown prepregnancy weight. Postpregnancy weight less than 50 pounds or greater than 450 pounds is considered unknown postpregnancy weight.
- Negative weight gain during pregnancy (weight loss) is considered 0 pounds gained.

INDICATORS CHANGED OR REMOVED FROM THIS REPORT

The following indicators appeared in prior editions of this report but were changed as noted or removed beginning with the 2010 report:

- **Maternal Drinking During Pregnancy:** Data item was removed by NCHS from the 2003 revision of the US Standard Birth Certificate. Self-reporting by mothers on this data item was found to be poor at best.
- **Maternal Smoking During Pregnancy (Table 10):** Smoking during any trimester of pregnancy. Data item was revised by NCHS on the 2003 revision of the US Standard Birth Certificate to provide opportunity to analyze the patterns of maternal smoking. (See “Enhanced Data on Maternal Smoking (Table 5A, Table 10)” for details.)
- **Years at Present Address:** Data item was removed from certificate by MDHSS to make room for other items.
- **Maternal Transfers:** Due to the low number of events in recent years, this indicator was removed.
- **Crown Heel Length:** Data item was removed by MDHSS due to poor reporting and lack of reliability.
- **Birth Spacing Less Than 18 Months (Table 10):** The full date of last live birth is now collected instead of only month and year. As a result, births that took place more than 17 months but less than 18 months after the last live birth are now counted. This is a factor contributing to the increase in the rate for this indicator since 2009.
- **Obstetric and Pediatric Conditions and Procedures, Congenital Anomalies and Abnormal Conditions of Newborn (Table 5B):** See “Medical Information on Birth Records” below for a detailed description of changes made to these indicators.
- **Live Birth Order (Table 6, Table 7, and Table 10):** Definition changed to include all prior live births, regardless of current vital status. As such, Live Birth Order of 1st identifies “first-time” mothers. Prior to the 2010 report, Live Birth Order only counted prior live births currently living.
- **Mother more than 15% Underweight, Mother more than 20% Overweight:** Indicators have been replaced with the BMI-based Underweight and Obese indicators (Table 10).
- **Prenatal Care and Inadequate Prenatal Care (Table 10):** Beginning in 2010 the complete date of first prenatal visit is collected, affecting the beginning trimester of Prenatal Care and the rates of inadequate prenatal care. (See “Date of First Prenatal Visit and Adequacy of Prenatal Care (Table 10)” for details.)
- **Mother on Medicaid and WIC:** Removed from the 2010 report due to the high correlation between the Mother on Medicaid and Mother on WIC indicators.
- **Recorded Births and Deaths by Cities with 2,500 to 24,999 Population:** These listings were removed due to the extreme influence local health care capacity has on where these events occur.
- **Causes of Death, Groupings of Causes of Death, and Rankable Causes of Death (Tables 18-19, Table 21, Table 23, and Table 26):** Changes made by MDHSS (See “Cause of Death Classification and Rankable Causes of Death” below for details.).
- **Cause of Accidental Death (Table 27):** Definition of public transportation accidental death in car or truck changed because of no longer updating motor vehicle accidental deaths with added information from the Highway Patrol beginning in 2010. This resulted in less specific ICD-10 codes and the need to expand the codes for car and truck accidents and reduce the codes for Public Transport: Other/Unspecified. (See “Accidental Death Table (Table 27)” below for details.).

RATES

Rates are calculated by dividing the number of events of concern by the population at risk or a related population and multiplying by a constant. Live birth, death, natural increase, marriage, and dissolution rates are expressed in terms of 1,000 estimated mid-year population. Cause-specific death rates are expressed in terms of 100,000 population. Infant, perinatal, fetal, neonatal, and post-neonatal death rates are stated per 1,000 live births (Tables 22-25). (See “Population” above for more details.)

Rates per 100 (percentages) are used for most prenatal and birth outcome indicators (Tables 7-10), such as inadequate prenatal care and low birth weight births, where the denominator is based on the number of live births. When the rate being calculated is a percent, events for which the value of interest is unknown are excluded from the calculation. Hence, percentages in this report are the percent of events for which the value is known, not the percentage of all potential events.

FORMULAE FOR VARIOUS RATE INDICATORS

Total Fertility Rate (Graph B) is the average number of live births a woman would have if a given set of age-specific birth rates applied throughout her reproductive years.

General Fertility Rate (Table 3) is the total number of live births per 1,000 women aged 15-44 for a given year.

Age-Specific Fertility Rate (Table 3) is the number of live births born to mothers of a given age per 1,000 females of that age group for a given year.

Abortion Ratio (Table 14) is the comparison of the total number of abortions to the total number of live births for a given year, and then multiplied by 1,000.

$$\text{Abortion Ratio} = \frac{\text{Number of abortions during year}}{\text{Live births for that year}} \times 1,000$$

Crude Death Rate is defined as the total number of deaths of area residents for the year divided by the appropriate population (usually midyear population estimate) of the area, then multiplied by some constant. The constants used in this report are 100,000 for cause-specific rates and deaths for all causes (Tables 18 and 26A) and 1,000 for death rates in all other tables and graphs.

$$\text{Crude death rate} = \frac{\text{Number of deaths during year}}{\text{Midyear population for that year}} \times 1,000 \text{ or } 100,000$$

Age-Specific Death Rate (Tables 4 and 20) is calculated in the same manner as the crude death rate except that both the number of deaths and the population used are restricted to a given age group.

$$\text{Age-specific death rate for a given age group} = \frac{\text{Number of deaths in that age group during year}}{\text{Population in that age group for that year}} \times 1,000$$

The **Age-Adjusted Death Rate** (Age-Adj Rate) is a weighted average of age-specific death rates. Comparison of areas or time periods using crude death rates can often be misleading, since these rates are affected by the age composition of the population. For example, a county may have a

high crude death rate simply because it has an older population. To control for differences in age composition, age-specific rates can be weighted (normalized) according to a standard population. Such a calculation produces an age-adjusted rate.

The age-adjusted rates shown in this report are calculated by the direct method, using the following formula:

$$\text{Age-Adjusted Death Rate} = \sum_{A 01}^{A 11} (Ma \times \frac{Pa}{P})$$

where Ma = the age-specific rate for each given age group
Pa = the standard population in each given age group
P = the total standard population, and
 Σ indicates that the results for the eleven age groups are summed.

The eleven age groups used for age-adjustment are as follows: Under 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+.

This adjustment serves to control for differences in age compositions and makes comparisons between areas or time periods more appropriate. **It is important, however, not to compare age-adjusted death rates with rates adjusted to different standard populations or with unadjusted rates.**

This report uses the 2000 US population as the standard. In the 1991 to 1998 annual vital statistics reports, the 1940 US standard population was used. This makes comparisons of age-adjusted death rates with annual vital statistics reports before 1999 inappropriate. The standard population was changed to United States 2000 to be comparable with national age-adjusted death rates published by NCHS. The 1940 distribution was considered out-of-date at that time since it was representative of a younger population. For a more detailed discussion of this topic, see "Age Standardization of Death Rates: Implementation of the Year 2000 Standard." National Vital Statistics Reports, Vol. 47, No. 3 at: http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf

GESTATIONAL AGE CHANGE in 2014

Beginning in 2014, Missouri adopted a new standard of estimating gestational age as recommended by NCHS (see http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_05.pdf). The new measure is the obstetric estimate of gestation at delivery, replacing the formerly-used method of calculating the period between the date of last normal menses (DLNM) and the date of birth. The new method is considered more accurate according to various studies documented in the NCHS article. This change primarily affects the rate of births less than 37 weeks gestation presented in Table 10. It tends to increase the gestational age and thus reduce the rate of births less than 37 weeks substantially. The change also has a relatively slight effect on other indicators that use gestational age, including inadequate prenatal care and weight gain during full-term pregnancy. See Appendix Table B for a comparison of these indicators using the two methods of estimating gestation for 2010-2016.

Appendix Table B
Resident Rates per 100 Live Births for Four Gestational Age Indicators,
Obstetric Estimate vs. DLNM: Missouri 2010-2016

	Less Than 37 weeks		Weight Gain < 15 lbs		Weight Gain 45 + lbs		Inadequate Prenatal Care	
	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM
2010	10.0	12.3	11.4	11.4	19.9	19.9	17.0	16.8
2011	9.6	11.8	11.1	11.1	20.4	20.4	17.9	17.8
2012	9.9	11.8	11.5	11.4	20.8	20.7	18.5	18.4
2013	9.6	11.5	11.4	11.3	21.3	21.3	18.7	18.6
2014	9.8	11.9	11.6	11.5	21.6	21.6	20.2	20.0
2015	10.0	12.0	12.1	12.1	21.0	21.0	19.4	19.3
2016	10.2	12.1	13.1	13.1	20.8	20.8	19.2	19.0

MEDICAL INFORMATION ON BIRTH RECORDS

Table 5B presents selected risk factors, obstetric procedures, characteristics of labor and delivery, methods of delivery, presence of infections, maternal health concerns, abnormal conditions of the newborn, and congenital anomalies from the birth certificate by means of a check-off box system. A study conducted by MDHSS supported the belief that check-off boxes increase reporting of these data items. Starting in 2010, revisions to the check-off boxes were implemented, and the following data items are no longer collected on the birth certificate:

- Maternal Risk Factors: anemia, cardiac disease, acute or chronic lung disease, genital herpes, hydramnios/oligohydramnios, hemoglobinopathy, incompetent cervix, previous live born infant weighing 4000+ grams at birth, renal disease, Rh sensitization, uterine bleeding
- Obstetric Procedures: amniocentesis, electronic fetal monitoring, ultrasound, chorionic villus sampling (CVS)

- Characteristics of Labor: *abruptio* placenta, placenta previa, other excessive bleeding, seizures during labor, dysfunctional labor, cephalopelvic disproportion, cord prolapse, anesthetic complications
- Abnormal Conditions of Newborn: anemia, fetal alcohol syndrome, hyaline membrane disease, meconium aspiration syndrome

MEDICAID STATUS OF BIRTHS (Table 5A, Table 10)

Another change on the 2003 revision of the US Standard Birth Certificate concerned the mother's participation in Medicaid. Prior to 2010, the birth certificate asked if the mother was on Medicaid at any time during the pregnancy. Even if the mother was not on Medicaid at the time of delivery, but had participated at some time in her pregnancy, the expected response to the question was "Yes." As of the 2010 report, Medicaid status is captured using a question about the principal payment source for the delivery. Medicaid is indicated only if the mother's delivery will be primarily paid for by Medicaid. As a result, Medicaid births will generally be fewer than in previous years.

ENHANCED DATA ON MATERNAL SMOKING (Table 5A, Table 10)

The 2003 revision of the US Standard Birth Certificate contains more detailed data on mothers' smoking habits during pregnancy than the previous certificate. Before 2010, mothers were asked about the average number of cigarettes smoked daily during the entire pregnancy. As of 2010, information on maternal smoking is captured for each trimester of pregnancy and for the three-month period prior to becoming pregnant. This allows for targeted analysis and investigation into the impact of smoking on gestational development and birth outcomes. In addition, the previous data item allowed for a mother to answer yes to smoking status but leave the average amount smoked unknown. Starting with 2010 data, if the average amount smoked for any period of smoking is unknown, then the mother's smoking status is unknown. (See "Unknowns" above.) These changes resulted in an increase in maternal smoking during pregnancy.

DATE OF FIRST PRENATAL VISIT AND ADEQUACY OF PRENATAL CARE (Table 10)

Prior to 2010, only the ordinal month of the pregnancy (first month, second month, etc.) was reported to identify the beginning of prenatal care. The 2003 revision of the US Standard Birth Certificate collects the full date of the first prenatal visit. The ordinal month is then calculated based on the mother's date of last normal menses. Beginning with the 2010 report, this calculation provides results that are, on average, almost a month later in the pregnancy than previous results. This in turn results in inadequate prenatal care rates that are 50 percent higher than in prior years. The higher rates are probably more representative of the actual rate of inadequate prenatal care. In other words, the increase is likely an artifact of the less accurate reporting in the past of the month prenatal care began.

DEFINITIONS FOR 2010 AND LATER BIRTH DATA

APGAR – An assessment of the health of an infant taken at one minute and five minutes after birth. For the 2003 revision of the US Standard Birth Certificate, the assessment is repeated at ten minutes if the score at five minutes was less than 6. Apgar scores range from 0 to 10 and are used internationally. Factors used to determine the score are: heart rate, respiratory effort, muscle tone, reflex irritability, and color. A score below 8 implies a moderately or severely depressed condition. The score used for this report is taken at five minutes after birth. The score assigned is completely at the discretion of the attending physician. As such, caution should be

used in interpreting patterns of low scores by geographic area because of possible regional subjective bias. In addition, different medical personnel might assign different scores to the same child.

Attendant – Classification of the physician or other person in attendance at or immediately after delivery of the infant. MD: Medical Doctor; DO: Doctor of Osteopathy; CNM/CM: Certified Nurse Midwife or Certified Midwife; CPM (added in 2014): Certified Professional Midwife; Other Midwife: includes other non-certified midwives. Attendant is presented in Table 5A.

Birth Order – Number of previous pregnancy outcomes plus one. This differs from “live birth order” in that it includes other previous pregnancy outcomes besides live births such as abortions or miscarriages. It is used in Table 24.

Birth Spacing: Less than 18 months – Live births occurring to mothers who had a prior live birth within 18 months. The percent is of second and higher order births and the newborn is a singleton or is the first live birth in a multiple birth set. As of the 2010 report, the full date of the last live birth is collected, making it possible to identify prior births more than 17 months but less than 18 full months. This contributed to the percentage increase seen in 2010.

Breastfed After Delivery (Infant Care: Breastfed After Delivery) – Live births where the mother breastfed, or attempted to breastfeed, the baby prior to discharge from the birthing facility. This does not imply that breastfeeding was successful or that the mother intends to continue breastfeeding after discharge.

Fetal Death – Spontaneous death in utero at 20 or more completed weeks of gestation, or has a delivery weight of 350 grams or more.

FSP – Participation by mother in the Food Stamp Program during her pregnancy.

Full-term-Birth – A live birth with a gestational age of 37 or more weeks.

Gestational Age – The age of a fetus or baby in terms of the number of completed weeks spent in its mother’s womb. (See GESTATIONAL AGE CHANGE in 2014 earlier in APPENDIX for more Information).

High Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained more than 44 pounds during pregnancy.

Inadequate Prenatal Care – Fewer than five prenatal care visits for pregnancies less than 37 weeks gestation, fewer than eight visits for pregnancies 37 or more weeks, or prenatal care began after the first four months of pregnancy. Before 1994 records with unknown month prenatal care began or unknown prenatal visits were excluded. Beginning in 1994, if adequacy of prenatal care could be determined, even if month care began or number of visits was unknown, then these records were included. (This is referred to as the Missouri Index of Adequacy of Prenatal Care Utilization.)

Infant Death – Live born infant dying during the first year of life.

Infant Transfer – Live born infant transferred to another facility after delivery.

Live Birth Order – Number of previous babies born alive to mother, regardless of current vital status, plus one. Live birth order of one indicates first time mother. Prior to the 2010 report, only prior live births still living were counted.

Low Birth Weight – A live birth of less than 2,500 grams (five and one-half pounds).

Low Weight Gain (Risk Factor) – A full-term singleton live birth to a mother who gained less than 15 pounds during pregnancy.

Maternal Death – Death of a mother, whether while pregnant, during delivery, or up to a year after delivery, as a result of complications of pregnancy, childbirth, or puerperium (ICD-10 codes O00-O99).

Maternal Weight Gain – The amount of weight a mother gains (or loses) from prior to pregnancy to time of birth.

Maternal Weight Status Before Pregnancy – Pre-pregnancy classification as underweight, normal, overweight, or obese, based on a woman's body mass index (BMI). The BMI formula uses height and weight to calculate this measure of body fatness or thinness.

Natural Increase – Number of resident live births minus resident deaths for a given period.

Neonatal Death – Death of a live born infant during the first 27 days of life.

NICU – Neonatal Intensive Care Unit.

Non-smoker – A live birth to a mother who indicated that she did not smoke during the three months prior to pregnancy and did not smoke during the first, second, and third trimesters of pregnancy. In other words, the mother entered '0' for the average amount smoked for each time period. If the mother failed to provide information for any period, her smoking status is unknown.

Non-Live Birth Outcome – A pregnancy that did not result in a live birth (resulted in a spontaneous miscarriage, fetal death, or an induced abortion)(Table 5A).

Out-of-Wedlock birth – A live birth involving a mother who was unmarried at the time of conception, at the time of birth, and throughout the time between conception and birth.

Perinatal Death – An obstetric event that resulted in a fetal death or neonatal death.

Prenatal Care (1st, 2nd, 3rd Trimester) – Trimester that prenatal care began as indicated by the time between the date of last normal menses and date of first prenatal visit. All live births belong in one of five categories: 1st Trimester, 2nd Trimester, 3rd Trimester, None, Unknown.

Poor Pregnancy Outcome – A pregnancy of at least 20 weeks gestation that results in a perinatal death, small for gestational age live birth, or an intrauterine-growth-restricted live birth.

Postneonatal Death – Death occurring after the 27th day of life but before one year of life.

Pregnancy – An obstetric event that resulted in a live birth, fetal death, or induced abortion (Table 11).

Preterm birth – A live birth of less than 37 weeks gestation.

Principal Payment Source – The primary source of payment of the hospital charges incurred as a result of the delivery.

Quit Smoking (During Pregnancy) – A live birth to a mother who indicated: (a) smoking during the first trimester but did not smoke for the second and third trimesters or (b) smoking during the first and second trimesters but did not smoke for the third trimester.

Singleton – A live birth resulting from a pregnancy where one and only one fetus was conceived. One surviving live birth resulting from a multiple gestation pregnancy is not considered a singleton birth.

Small for Gestational Age – A singleton live birth where the birth weight is at or below the 10th percentile of births of the same gender and gestational age.

Smoked Pack Per Day – A live birth to a mother who smoked an average of 20 or more cigarettes per day over the course of an entire three-trimester pregnancy. (See “Unknowns” above.)

CAUSE OF DEATH CLASSIFICATION AND RANKABLE CAUSES OF DEATH (Tables 18, 19, 21, 26)

Cause of death data are analyzed and presented by the underlying cause. The underlying cause of death is defined as the disease or injury that initiated the chain of morbid events leading directly to death or the circumstances of the accident or violence that produced the fatal injury.

The causes of death presented here are classified in accordance with the Tenth Revision of the International Classification of Diseases (ICD-10), World Health Organization. This revision is used to classify deaths occurring in the United States on or after January 1, 1999. For a general measure of the extent of the changes between the ninth and tenth revisions, consult https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf. Comparisons with cause of death statistics from earlier years must be done with caution, since systems for classifying causes of death have changed over the years. Consequently, the mortality trend for a single disease may be distorted as a result of changes in defining and coding the cause of death.

In tables presenting “leading” causes of death, selected causes of death are grouped together according to guidelines designated by NCHS into “rankable causes.” Modifications of those guidelines would produce a different picture of leading causes of death. For example, if all deaths from infectious diseases were combined into a single group instead of distributed in their current groupings, the resulting single group would have constituted the sixth leading cause of death in Missouri for 2010. Leading cause of death rankings are based on numbers of deaths, not death rates. Twenty of the current NCHS 51 rankable causes of death (each marked with an asterisk) are included in this report and listed below. The other 31 rankable causes are in the list that follows.

The following specific causes of death, listed in prior years, were removed beginning with the 2010 report: tuberculosis, syphilis, stomach cancer, and peptic ulcer. These causes were removed due to the low incidence of deaths from those causes in Missouri. The circulatory disease groupings were simplified in the 2010 report. Also, deaths due to SIDS (ICD-10 code R95) and to pregnancy, childbirth, and the puerperium (ICD-10 codes O00-O99) were removed from tables of rankable causes because they are presented in tables of infant and maternal mortality.

Three new causes of death were added beginning with the 2010 report: enterocolitis due to *Clostridium difficile*, Parkinson's disease, and pneumonitis due to solids and liquids. Also, two new cause groupings were added: falls and accidental poisonings. Both of these groupings were formerly included among the "other unintentional injuries" grouping. All of these causes/groupings have been added because of their striking increase in numbers since 2000. The twenty rankable and seventeen other selected causes of death and cause of death groupings presented in this report are listed below along with their ICD-10 diagnosis codes.

Cause of Death Groupings Used Tables 21 and 26.....ICD-10 Codes

*Enterocolitis due to clostridium difficile	A04.7
*Septicemia.....	A40-A41
*HIV/AIDS	B20-B24
*Malignant neoplasms.....	C00-C97
Colon, rectum, and anus	C18-C21
Pancreas	C25
Trachea, bronchus, and lung.....	C33-C34
Breast.....	C50
Cervix uteri, corpus uteri, and ovary	C53-C56
Prostate.....	C61
Urinary tract.....	C64-C68
Non-Hodgkin's lymphoma	C82-C85
Leukemia.....	C91-C95
Other malignant neoplasms	Residual of C00-C97
*Diabetes mellitus	E10-E14
*Alzheimer's disease.....	G30
*Parkinson's disease.....	G20-G21
*Diseases of heart.....	I00-I09, I11, I13, I20-I51
*Essential hypertension.....	I10, I12
*Cerebrovascular diseases	I60-I69
*Influenza and pneumonia	J09-J18
*Chronic lower respiratory diseases.....	J40-J47
*Pneumonitis due to solids and liquids.....	J69
*Chronic liver disease and cirrhosis	K70, K73-K74
*Nephritis and nephrosis	N00-N07, N17-N19, N25-N27
*Conditions originating in perinatal period.....	P00-P96
*Congenital anomalies	Q00-Q99
Symptoms and ill-defined conditions, including SIDS	R00-R99
(Note that in 2010-2012 reports, SIDS deaths were included in All other diseases)	
All other diseases.....	Residual of A00-R99
*Unintentional injuries	V01-X59, Y85-Y86
Motor vehicle crashes ..V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-	
V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-	
V87.8, V88.0-V88.8, V89.0, V89.2	
Falls.....	W00-W19
Accidental poisoning by and exposure to noxious substances.....	X40-X49

Other unintentional injuries..... V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, W20-X39, X50-X59, Y85-Y86

*Suicide..... X60-X84, Y87.0

*Homicide..... X85-Y09, Y87.1

All other external causes: events of undetermined intent, legal intervention, complications of medical care, and late effects of injuriesY10-Y36, Y40-Y84, Y87.2, Y88-Y89

ADDITIONAL CAUSE OF DEATH GROUPINGS USED FOR RANKING BY NCHS BUT NOT IN THIS REPORT

Cause	ICD-10 Code
Salmonella infections.....	A01-A02
Shigellosis and amebiasis.....	A03, A06
Tuberculosis.....	A16-A19
Whooping cough	A37
Scarlet fever and erysipelas.....	A38, A46
Meningococcal infection.....	A39
Syphilis	A50-A53
Acute poliomyelitis	A80
Arthropod-borne viral encephalitis	A83-A84, A85.2
Measles.....	B05
Viral hepatitis	B15-B19
Malaria	B50-B54
Benign/in situ neoplasms and neoplasms of uncertain or unknown behavior ..	D00-D48
Anemias.....	D50-D64
Nutritional deficiencies	E40-E64
Meningitis.....	G00, G03
Atherosclerosis	I70
Aortic aneurysm and dissection	I71
Acute bronchitis and bronchiolitis.....	J20-J21
Pneumoconiosis and chemical effects	J60-J66, J68
Peptic ulcer	K25-K28
Diseases of appendix.....	K35-K38
Hernia	K40-K46
Cholelithiasis and other disorders of gallbladder.....	K80-K82
Infections of kidney	N10-N12, N13.6, N15.1
Hyperplasia of prostate	N40
Inflammatory diseases of female pelvic organs	N70-N76
Pregnancy, childbirth, and the puerperium.....	O00-O99
Legal intervention.....	Y35, Y89.0
Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88

ACCIDENTAL DEATH TABLE (Table 27)

Beginning with 2004 data, the accidental death table was updated to reflect revised ICD-10 cause

of death groupings. These groupings are adapted from criteria for the “Injury Mortality Summary” provided by the Research and Statistics Department of the National Safety Council (NSC). Many of the categories were new in 2004, and even when the category name did not change, the numbers were not precisely comparable to prior years’ data because of changed definitions. Poisonings at home, in particular, were grossly underreported under the old system. The new system gives a more complete count of poisoning deaths and presents poisoning deaths due to all drugs, both prescribed and illicit.

Note that accidental deaths (Table 27) are presented in terms of deaths that occurred in Missouri, whether the injury occurred in Missouri or not. Tables with accidental death counts are not comparable to most of the other mortality tables because those tables display Missouri resident deaths. See “‘Resident’ and ‘Recorded’ Events” above.

Accidental death data are also categorized by the physical location where the accident occurred. A work accident is any unintentional injury death for which the “Injury at work?” checkbox on the death certificate is marked “Yes.” A home accident is any unintentional injury death occurring at any non-institutional residence including its garage and grounds. Deaths due to unintentional injury where the injury occurred anywhere else are classified as public. Beginning with the 2010 report, ICD-10 codes V87.0-V87.8, V88.0-V88.8, V89.0 and V89.2 were included in the definition for accidental Public transport: car or truck deaths. If a death falls into more than one category such as late effects of a motor vehicle crash while the decedent was at work, the order of precedence is: late effects, work, home/public.

Accidental Death Categories in Table 27..... ICD-10 Codes

Grand total	V01-X59, Y85-Y86
Work total	“Injury at work?” checkbox = “Yes”
Heavy transport vehicle	V60-V69
Other motor vehicle	V02-V04, V09.0, V09.2, V12-V14, V190-V19.2, V19.4-V19.6, V20-V59, V70-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Other transport	Residual of V01-V99
Falls	W00-W19
Farm machinery.....	W30
Other machinery	W31
Struck by/against object.....	W20-W29, W35-W49
Electric current.....	W85-W87
Other/unspecified accident	W32-W34, W50-W84, W88-W99, X00-X59
Home total	W00-X59 with place of injury code of 0
Public non-transport total	W00-X59 with place of injury code not 0
Falls	W00-W19
Machinery	W30-W31
Firearms	W32-W34
Struck by/against object.....	W20-W29, W35-W49
Drowning	W65-W74
Choke/suffocate.....	W75-W77, W78-W80, W81-W84
Excess natural heat/cold.....	X30-X31
Fire/flame/smoke	X00-X09

Poisoning (drug/alcohol)	X40-X45
Poisoning (gas/other)	X46-X49
Other/unspecified accident	Residual of W00-X59
Public transport total.....	V01-V99
Car or truck.....	V40-V69, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Pedestrian/motor vehicle	V02-V04, V09.0, V09.2
Pedal cyclist.....	V12-V14, V19.0-V19.2, V19.4-V19.6
Motorcyclist.....	V20-V29
Railroad (not w/motor vehicle)	V05, V15, V80.6, V81.2-V81.9
Nonroad vehicle, including ATVs.....	V83-V86
Water transport.....	V90-V94
Air transport.....	V95-V97
Other/unspecified	Residual of V01-V99
Late effects of accidents.....	Y85-Y86

TOBACCO USAGE AND MORTALITY DATA (Table 28)

Beginning in 2010, the death certificate includes a question that asks, “Did tobacco use contribute to the death?” This allows the medical certifier to make a determination as to the role of tobacco use in causing the death. This item should not be interpreted as or substituted for the decedent’s smoking status at death.

Note that this is different from the “Smoking-Attributable” death estimates, which are calculated by applying likelihood percentages to all deaths with specified ICD-10 underlying cause codes based on the extent to which smoking increases the risk of dying from those particular diseases. Missouri smoking-attributable death estimates are published in the ‘Leading Causes of Death’ Community Data Profile available online at: <https://webapp01.dhss.mo.gov/MOPHIMS/ProfileHome>.

NEW DEATH TABLE IN 2013 (Table 29)

In 2013, a new death table was added entitled Resident Deaths by Selected Characteristics by Sex. It includes death variables that are not reported in other tables such as certifier, death place, month of death, disposition of body, marital status, education of deceased, and whether an autopsy was performed.

ABRIDGED LIFE TABLES (Table 30)

The abridged life tables used beginning in 2010, were developed by MDHSS. They represent a slight change to the calculations used before 2010, which had been developed from an NCHS program using the technique of "reference to a standard table." These life tables are technically defined as "current life tables" since they are cross-sectional in nature. In other words, the 2016 tables do not represent the life expectancy of an actual cohort of all Missourians born in a particular year and followed throughout their lifetime. Rather, the current life table considers a hypothetical cohort and assumes it is subject to the age-specific mortality rates existing for a given year. This means the population figures listed in these tables are not actual population counts for Missouri. Instead, they are only theoretical. The figures are only useable for calculating age-specific life expectancy.

The term "abridged" indicates that the age intervals used for the tables are in five-year age groupings rather than single years of age.

For further information about life expectancy tables and their methodology, go to http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_09.pdf.

REVISED MARRIAGE TABLES 31-35 in 2016 (WITH SAME-SEX MARRIAGES)

In June 2015, the United States Supreme Court ruled that same-sex couples had a right to marry, and Missouri began recording these marriages after this ruling. However, since the data was incomplete, we did not report this data in detail in 2015 (although the 726 reported same-sex marriages were included in the state totals). In 2016, data on same-sex marriages is reported in detail for the first time in Tables 31 and 33-35. Table 31 shows the number of marriages by month for male-female, female-female, and male-male marriages. There are 205 marriages with unknown gender that are included in the state totals. Table 32 includes only male-female marriages because the same-sex numbers are too small to break out by specific age cross-tabulations. Tables 33-35 display marriages by gender by selected other variables.